

ADITYA BAGUS PRATAMA

Surakarta, Indonesia | +6285749383186 | adityabagusp345@gmail.com | bytadit.me |
linkedin.com/in/aditya-bagus-pratama

SUMMARY

Dedicated and detail-oriented professional with robust skills in both **full stack web development and data science**. Proficient in **LAMP and MERN stack**, with expertise in **PHP, JavaScript, Python, and SQL**, and a strong foundation in **data analysis, visualization, and machine learning**. Experienced in developing and deploying web applications using **Laravel (including Livewire), Next.js, Flask, and FastAPI**, with hands-on involvement in **machine learning API deployment. Led development teams** during a **1-year internship**, delivering **four enterprise-level applications** using Laravel. Completed a **6-month Full Stack Web Developer bootcamp**, specializing in backend authentication APIs with Express.js. Additionally, completed a **6-month Data Science bootcamp**, leading a team to success in data-driven projects, achieving a **top 20 rank among 174 teams in Kaggle competitions**. Certified as a **Junior Web Programmer by BNSP** and in **Google Data Analytics Professional**. With a portfolio of **5+ web applications** built using Laravel and Next.js, and **7+ machine learning projects** focused on **Natural Language Processing and Financial & Marketing Risk Management**, I bring a versatile skill set that blends front-end and back-end development with advanced data science capabilities. My internship experiences have honed my **leadership, stakeholder communication, agile methodologies, and task management** skills, making me a reliable and adaptable asset across diverse development and data-driven projects.

WORKING EXPERIENCES

Synrgy Academy 6 - Bank BCA & Binar Academy

Remote

Bootcamp | Full Stack Web Developer

Sep 2023 - Feb 2024

- Graduated with a specialization in full-stack web development, earning a final score of **90.6/100 (A Grade)** in individual performance, demonstrating **exceptional time management** by balancing academic tasks, KKN (community service), and program commitments.
- **Gained proficiency** in MongoDB, ExpressJS, React, and NodeJS through intensive training and guidance from industry mentors, showcasing strong programming skills and adaptability.
- **Played a pivotal role** in the final project by implementing backend API authentication using ExpressJS. Coordinated effectively with team members across UI/UX, Backend Java, Mobile Development, and QA tracks, demonstrating excellent communication and teamwork skills. Delivered regular updates and maintained effective progress communication, enhancing overall project execution.

UPT TIK - Universitas Sebelas Maret

Surakarta

Internship | Software Developer

Jan 2023 - Dec 2023

- **Tech Lead** - PBJ Report Application: Directed the backend development of an automated document publishing web app using Laravel. Established coding standards and best practices, enhancing project consistency and quality.
- **Initiator and Tech Lead** - GuestBook Application: Led the revitalization of the Laravel-based Guest Book Application for ICT Services. Overhauled UI/UX, improved statistical reporting, and managed the migration of legacy data using NLP techniques.
- **Full Stack Web Developer** - DomainMS Application: Contributed to both backend and frontend development for the DomainMS tool, implementing automated data cleanup features to enhance data management efficiency within UNS.
- **Led and managed** the practical testing phase for the recruitment of new software developer interns, ensuring a thorough and effective evaluation of candidates' technical skills.

Startup Campus - Achmad Zaky Foundation (AZF)

Remote

Bootcamp | Data Scientist

Aug 2022 - Dec 2022

- **Completed the Data Science Track with an A grade**, mastering key skills in data analysis, data storytelling (dashboard creation using Looker Data Studio), business intelligence (A/B testing on e-commerce case studies), and machine learning (develop model to predict churn probability on ecommerce)
- **Successfully led a team of six members** in developing a machine learning model to predict churn probability on e-commerce transactional data. Implemented the CRISP-DM methodology and used the windowing method

to handle time series data, guiding the team to deliver a Minimum Viable Product (MVP) that met project requirements.

- **Navigated the challenges** of first-time leadership in a data science project, learning to manage tasks, communicate effectively with team members, and ensure timely completion of project goals. This experience significantly boosted confidence in leading future data science projects.

FATISDA - Universitas Sebelas Maret

Surakarta

Contract | Web Development Practicum Assistant

Feb 2023 - July 2023

- Chosen by lecturer based on demonstrated skills and expertise in web development. Responsible for guiding and supporting 25 students through the practicum process, ensuring they gained a solid understanding of web development concepts. Created and organized the practicum syllabus, including weekly lessons, project tasks, and a final project.
- Collaborated with a team of 6 assistants to evaluate and refine teaching methods weekly. Led discussions on student challenges and developed effective strategies to address them, continuously improving the quality of instruction and student outcomes.

Contract | Digital System Practicum Assistant

Aug 2021 - Dec 2021

- Selected by lecturer to co-lead a group of 25 students in the Digital System practicum. Delivered weekly lectures and provided hands-on assistance, ensuring student engagement and comprehension. Developed and organized the practicum syllabus, combining theory and practical tasks to enhance student understanding. Played a key role in shaping the course content to meet academic standards.
- Consistently led in assistant discussions by answering student questions and providing effective solutions. Demonstrated strong problem-solving skills, ensuring the smooth execution of the assisting process and improving overall student outcomes.

PROJECTS

Portfolio Website Design using NextJS

[\[Demo\]](#)

Individual Project

Aug 2021 - Now

- Developed a static portfolio website using Next.js, TypeScript, Tailwind, and ShadCN/UI, featuring a Brutalist design theme inspired by minimalist and functional aesthetics.
- Implemented content management using Markdown files, inspired by previous work with Hugo, enabling easy content updates and static site generation.
- The project, initiated in August 2021 and updated in January 2024 to include Next.js, was used for skill training, leveraging Next.js for its speed, SEO friendliness, and seamless deployment on Vercel.

Human Resource Dashboard using Tableau

[\[Demo\]](#)

Individual Project

Aug 2024 - Aug 2024

- Developed a comprehensive HR dashboard that provided critical insights into employee metrics, workforce demographics, and salary analysis, automating key HR data visualization to reduce reporting time and enhance decision-making.
- Optimized recruitment and retention strategies by analyzing hiring trends, gender ratios, and education-performance correlations, leading to more targeted HR practices.

Superstore Orders Dashboard using Looker Data Studio

[\[Demo\]](#)

Individual Project

Aug 2024 - Aug 2024

- Designed an interactive dashboard for real-time analysis of key metrics like Total Orders, Customers, and Sales Trends, enhancing decision-making and improving sales strategies.
- Improved targeted marketing effectiveness and reduced reporting time with dynamic visualizations and customizable filters, enabling tailored insights into customer segmentation and regional performance.

Malicious URL Detection Model using ELECTRA Architecture

[\[Repo\]](#)

Universitas Sebelas Maret | Individual Final Project

Jan 2024 - July 2024

- Developed a high-accuracy malicious URL detection model using the ELECTRA transformer, achieving 98.98% accuracy and 98.47% F1-Score, significantly reducing cyber threats and potential financial losses.
- Conducted extensive research and fine-tuned the model with the "malicious-urls-dataset," showcasing

HateSpeech Detection using Machine Learning & IndoBERT

[\[Repo\]](#)

Universitas Sebelas Maret | Research Collaboration Project

Feb 2024 - Mar 2024

- Developed a hate speech detection model with 91% accuracy using the IndoBERT-Large transformer, and optimized tweet processing through NLP techniques.

- Deployed the model as an API with FastAPI and built a Streamlit web application, enabling seamless integration and easy access for non-technical stakeholders.

Bangun Mulyo : Laravel Based Administration & Accounting Application

[\[Repo\]](#)

Enterprise Project

Jan 2024 - Feb 2024

- Spearheaded the development of the Bangun Mulyo App for BumDes Bangun Mulyo using Laravel, independently managing the entire process from concept to deployment within 25 days, with a focus on digitizing business processes in administration and treasury.
- Designed and implemented modules for recording borrower data, automated loan decree generation, installment calculations, receipt automation, and detailed financial reporting, significantly improving efficiency and accuracy.
- Collaborated closely with stakeholders to gather requirements and ensure the solution met their needs, enhancing my communication skills and ability to deliver functional, aligned solutions.

Risk Prediction on Shipping Delivery Delay using Machine Learning Algorithms

[\[Repo\]](#)

Intelligo | Kaggle Data Science Competition

Sep 2023 - Oct 2023

- Led a team in a Kaggle competition, developing a delivery delay detection model that achieved 94% accuracy, placing us in the top 20 out of 174 teams.
- Conducted in-depth analysis and feature engineering to identify key factors affecting delivery delays, directly contributing to the model's high performance.
- Provided technical training and strategic guidance to ensure team preparedness and alignment, resulting in effective collaboration and successful project completion.

GuestBook App using Laravel - UPT TIK UNS

[\[Repo\]](#)

Enterprise Project

Aug 2023 - Oct 2023

- Initiated and led the development of the GuestBook App for UPT TIK UNS using Laravel, transforming guest registration, complaint tracking, and data analysis processes to meet departmental objectives.
- Designed a modern, intuitive user interface and restructured the database model, improving data organization, retrieval, and overall scalability of the application.
- Enhanced data visualization for insightful analysis of visitor interactions and developed dynamic features, including file export capabilities, to streamline workflows and increase system flexibility.

Indonesian Song Lyrics Emotion Detection using Machine Learning Algorithms

[\[Repo\]](#)

Universitas Sebelas Maret | Collaborative Project

Jun 2023 - Sep 2023

- Led a team in developing an emotion detection model for Indonesian song lyrics, achieving 86% accuracy through advanced NLP techniques and feature extraction methods like Bag of Words and TF-IDF.
- Managed task assignments based on team members' strengths, optimizing workflow and ensuring effective contributions from the entire team.

SINORA : Meeting Management System using Laravel Livewire - FATSIDA UNS

[\[Repo\]](#)

Enterprise Project

Mar 2023 - Jul 2023

- Independently developed SINORA, a Laravel-based web application, from the ground up, including designing the database schema and implementing multi-role authentication (RBAC) using Laravel Livewire and Laratrust. This system streamlined meeting documentation and management processes for the Faculty of Information Technology and Data Science (FATISDA) at UNS.
- Implemented a sophisticated RBAC system with five key roles, enabling granular access control and customization for different user groups, including SuperAdministrator, Administrator, User, Meeting Supervisor, and Notetaker. This significantly enhanced the security and flexibility of the application, aligning it with the faculty's administrative needs.
- Maintained continuous communication with faculty representatives throughout the development process, ensuring that the application met user requirements and facilitated seamless adoption. The implementation of SINORA replaced manual processes, improving efficiency and accuracy in meeting management and documentation for the faculty.

PBJ Reporting - UNS Tender Documentation WebApp using Laravel

[\[Demo\]](#)

Enterprise Project

Feb 2023 - Jun 2023

- Led a team of four developers in creating the PBJ Reporting Application for UPT TIK UNS using Laravel, automating the tender document preparation process to enhance efficiency.
- Developed and implemented automated reporting, document generation, and multi-role Role-Based Access Control (RBAC) using Laratrust, significantly improving user experience and security.

- Guided the project from concept to deployment, resulting in a fully functional, production-ready application now in use at tender.integrasi.uns.ac.id.

Customer Churn Prediction on E-commerce Transactional Data

Startup Campus (AZF) | Collaborative Project

Oct 2022 - Dec 2022

- Led a team of six in developing a customer churn prediction model with a 78% accuracy rate, using a windowing system to effectively define and predict churn.
- Delivered a tool that enhances strategic decision-making, enabling businesses to proactively address churn and improve customer retention.

COVID-19 World Data Dashboard using Google Data Studio

[\[Demo\]](#)

Startup Campus (AZF) | Individual Project

Aug 2022 - Sep 2022

- Developed a comprehensive COVID-19 dashboard in Google Data Studio using BigQuery data, visualizing global case trends, vaccination rates, and hospitalization metrics.
- Performed extensive data aggregation and transformation with SQL, providing stakeholders with accurate insights for informed public health decision-making.

PaperRockScissor Image Classification using CNN & Xception Transfer Learning

[\[Repo\]](#)

IDCamp Machine Learning Path | Individual Project

Aug 2022 - Sep 2022

- Applied both standard Convolutional Neural Network (CNN) and Xception Transfer Learning for image classification, achieving comparative analysis between traditional and advanced deep learning techniques.
- Successfully improved model performance by selecting Xception Transfer Learning, which achieved 99% accuracy, outperforming the standard CNN model that reached 95% accuracy.
- Utilized Xception architecture's depthwise separable convolutions for efficient and effective feature extraction, demonstrating expertise in state-of-the-art transfer learning techniques for image classification tasks.

Credit Risk Prediction Model for Lending Company

[\[Repo\]](#)

ID/X Partners | Individual Project

July 2022 - Aug 2022

- Developed a predictive model with a 96% accuracy rate and a 99% F1-Score, significantly reducing potential losses and optimizing profit margins for the lending company.
- Conducted deep data analysis and applied advanced machine learning techniques, enhancing the company's financial stability by enabling the proactive identification of high-risk loans.

EDUCATIONS

Synrgy Academy Bootcamp - Bank BCA x Binar Academy

Sep 2023 - Feb 2024

Full Stack Web Developer

GPA: 90.6/100 (Grade A)

Startup Campus Bootcamp - Ahmad Zaky Foundation (AZF)

Aug 2022 - Dec 2022

Data Science Track

GPA: 86.57/100 (Grade A)

Universitas Sebelas Maret

Aug 2020 - Now

Bachelor of Informatics, Faculty of Information technology and Data Science

GPA: 3.67/4.00 (Cum Laude)

Science - SMA N 1 Sukoharjo

Aug 2016 - Jul 2019

SMP N 9 Surakarta

Aug 2013 - Jul 2016

ORGANIZATIONAL EXPERIENCES

- Event Division & Speaker Liaison Officer - Seminar Event by UPT TIK UNS Mar 2023 - Jun 2023
- Vice President - Young Red Cross at SMAN 1 Sukoharjo Sep 2017 - May 2018
- Vice Secretary - Student Council at SMPN 9 Surakarta Aug 2014 - Aug 2015

CERTIFICATIONS

- Junior Web Programmer - BNSP Nov 2023
- Data Analytics Professional - Google Dec 2022
- Python Data Analyst - Datacamp Dec 2022
- SQL Associate Data Analyst - Datacamp Sep 2022

SKILLS & TOOLS

- Technical Skills** : Data Scraping, Data Cleaning & Transformation, Data Analysis & Storytelling, Machine Learning, Web Development, Natural Language Processing, Model & API Deployment.
- Soft Skills** : Analytical Thinking, Problem Solving, Attention to Detail, Leadership, Communication, Self Management
- Framework & Tools** : Laravel, NextJS, Flask, PostgreSQL, MongoDB, ExpressJS, Docker, Google BigQuery, GCP, Kaggle, Spreadsheet, Tableau, Looker Data Studio
- Language** : Bahasa Indonesia (Native), English (Working Proficiency), Javanese (Native)