Ahmad Zainul Mufid

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Summary

A final-year Informatics Engineering student with strong skills in software development, product management, and cross-functional collaboration. Experienced in building projects across web, Android, and machine learning (image and text). Recognized as detail-oriented, adaptive, and collaborative, with excellent problem-solving abilities and a strong passion for continuous learning. Equipped with solid interpersonal skills and the ability to thrive in dynamic team environments, committed to delivering meaningful contributions through problem-solving skills and dedication to excellence.

Education

Jakarta State Polytechnic   **Depok, Indonesia**

Bachelor of Applied Informatics Engineering | GPA 3.70   *September 2022 - Present*

- Studied Full Stack Web Development, Database Engineering, Mobile Development, Artificial Intelligence, Machine Learning, Natural Language Processing (NLP), and Data Mining.
- Developed technical and analytical skills to address real-world problems in a dynamic technology landscape.

CEP-CCIT FT UNIVERSITAS INDONESIA   **Depok, Indonesia**

Certificate Program in Software Engineering | GPA 3.40   *September 2022 – November 2024*

- Focused on Software Development, Java Programming, Java Frameworks, JavaScript Programming, Software Quality Assurance (SQA), Mobile Development, and Google Cloud.
- Emphasized hands-on project-based learning through a curriculum designed by NIIT India.

Work Experiences

Computer Vision Engineer Internship (PT. Astra Otoparts)   *Juli 2025 – Juli 2025*

- Captured object images to build a custom dataset
- Performed image data annotation and preprocessing using Label Studio
- Implemented object detection programs using Python
- Conducted testing through a simple website and real-time video streaming

Machine Learning Engineer Internship (PT Telkomsel)   *August 2025 – November 2025*

- Developed a simple ML pipeline for Business Intelligence, integrating SQL, chart generation, and automated responses using the OpenAI API
- Built a general-purpose web UI to help users create dashboards, respond to queries, and utilize speech-to-text features, using JavaScript (React.js, Vite) and TypeScript
- Integrated the frontend with the existing pipeline using Python and deployed on Google Cloud Platform

Organizational Experiences

Himpunan Mahasiswa Tenik Informatika dan Komputer

Staff - Department of Education and Technology   *March 2023 – December 2023*

- Disseminate information regarding student achievements and competitions to increase appreciation and motivation among members.
- Communicate job opportunities and academic updates to inform and actively engage members.

Himpunan Mahasiswa Tenik Informatika dan Komputer

Competition Staff – Web Design Division   *June 2023 – August 2023*

- Contributed to organizing a web design competition by preparing the handbook and assisting participants.
- Coordinated the judging process and managed the issuance of certificates.

Politeknik Negeri Jakarta – SAUM TIK 2023
Volunteer – Event Division Staff   *June 2023 – July 2023*
- Supported event operations and helped foster an engaging and enjoyable atmosphere for participants.
- Acted as a mentor responsible for the well-being and guidance of children during social care sessions.
- Collaborated with fellow volunteers and ensured smooth execution of structured activities as planned by the event MC.

Projects

EJajan Aplication Mobile
- Built a school-based nutrition system with face recognition login (MLKit), top-up system, and real-time database.
- Implemented MVVM architecture, Firebase, Midtrans, Jetpack Compose.

JobMate Platform for People with Disabilities
- Developed a web-based platform designed to support people with disabilities in exploring and applying for job opportunities, regardless of their physical limitations using Machine Learning.
- The platform includes a job recommendation system that suggests positions based on user input and preferences, as well as a CV scoring feature that evaluates the compatibility between the user's resume and the job requirements, helping users understand how well their profile matches the selected roles.

Sistem Emotion Trendbox
- Developed an AI-based system called Emotion TrendBox as a solution for a real-world problem presented by a PNJ partner company. The system analyzes customer behavior in retail environments through facial emotion detection using Convolutional Neural Network (CNN) algorithms.
- Integrated a forecasting module using Facebook Prophet to predict future customer behavior trends.
- Added a data-driven chatbot capable of generating dynamic questions and providing automated insights based on emotion data collected, enabling decision-makers to gain actionable understanding of customer sentiment.

Honors & Awards

- 2nd Place – Web Design International Competition, TEKNOCOMP 2025
- Finalis – Software Development, ITFEST 2025
- Top 8 Capstone Project among 52 teams in the cohort, 2025
- 2nd Place – UI/UX Competition, HIMATIK UNDIRA 2025
- Top 3 – Capstone Project Coding Camp DBS Foundation, 2025
- 3rd Place – Web Design Competition, Itechno Cup 2024
- Top 50 Finalist – Bangkit Product-Based Capstone Project (644 teams), 2024

Skills

Softskill: Adaptability, Collaboration, Project Management, Problem Solving, Professional ethics, Team Leadership, Fast Learner, Communication, Interpersonal Skills, Time Management, Growth Mindset, Resilence, Critical Thinking.

HardSkill: SQL, Firebase, Java, JavaScript, Laravel, Kotlin, Dart, Python, Machine Learning, NLP, GitHub, Figma, Excel, Notion, Trello.