

Alvin Zainul Muttaqien

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Summary

A high-achieving Computer Science graduate with a strong, demonstrated passion for a career in technology consulting. Combines deep digital transformation and automation technical expertise with an exceptional problem-solving ability, using logical reasoning and creative thinking to untangle complex issues. A proven team player with effective communication skills, eager to thrive in a fast-paced, challenging environment and deliver transformative value for critical business problems.

Education

Bachelor's Degree in Computer Science at Universitas Gadjah Mada (UGM)

GPA: 3.79/4.00 (with honors)

Sep. 2020 - Aug. 2024

Sleman, Indonesia

Relevant Courses: Digital Startup, Digital System, Big Data Architecture and Infrastructure, Community Communication, Cryptography and Network Security

Undergraduate Thesis: Asymmetric Hybrid Attention Transformer for Medical Imaging Super-Resolution

Languages: English (IELTS Academic: 8.0), Indonesian (Native), Korean (Basic)

Technical Skills: Azure, SAP HANA & Integration, Apache Spark, AI/Machine Learning, DevOps, Fullstack Development, Agile Methodologies

Non-Degree Exchange Program in Computer Engineering at Jeonbuk National University (JBNU)

GPA: 4.00/4.00

Aug. 2022 - Dec. 2022

Jeonju-si, South Korea

Work Experience

Research Assistant

Geoseismal Research Center

Mar. 2025 - Present

Sleman, Indonesia

- Developed a multi-stage AI system to distinguish and classify hydrocarbons from well log data, improving the accuracy of reservoir characterization and contributing to research publications effort.
- Engineered a full end-to-end AI platform by integrating data pipelines, ML models, interactive visualization, and database management, enabling deployment and practical use in real-world upstream scenarios.

AI Engineer (Remote)

Outlier AI

Feb. 2024 - Feb. 2025

California, United States

- Enhanced the AI model's coding intelligence by generating over 30 high-quality prompt-response pairs weekly for Reinforcement Learning with Human Feedback (RLHF) training across various programming languages.
- Guaranteed model training integrity by meticulously annotating and reviewing hundreds of repurposed data samples each week, upholding strict quality standards to support continuous development and prevent performance degradation.

Data Engineer Intern

PT Astra International Tbk

Aug. 2023 - Dec. 2023

Jakarta, Indonesia

- Architected a scalable cloud data infrastructure on Microsoft Azure (Data Lake, SQL Database) and developed automated ETL pipelines to consolidate data from SAP and ERP systems, establishing a high-integrity data foundation for the subsidiary SERA.
- Drove revenue growth by providing the core data engineering for critical projects, including a dynamic pricing system and customer/stock monitoring.
- Ensured high levels of data quality and processing efficiency by managing automated data cleansing and consolidation workflows, directly enabling advanced analytics and business intelligence.

Test Engineer Intern

PT Vidio Dot Com

Feb. 2023 - Jun. 2023

Jakarta, Indonesia

- Engineered a scalable test automation framework that automated 80% of regression test cases, resulting in a 50% faster testing cycle and a significant reduction in manual effort.
- Enhanced test coverage and release quality by collaborating with development and product teams to create comprehensive rigorous functional, regression, and integration testing and effectively communicate and resolve bugs within fast-paced agile development cycles.

Awards

SCALE-UP 2025 Hackathon Finalist - SLB & SPE Java Indonesia Section

Jun. 2025

GAMMAFEST 2023 National Data Science Competition Finalist - IPB

Jun. 2023

Fall 2022 Student Exchange Program Scholarship Awardee - Jeonbuk National University

Aug. 2022

Organisational Experience

Head of Resource Development - UGM Informatics Students Organization

Jan. 2022 - Jan. 2023

- Led a resource optimization initiative by creating a centralized inventory database and restoring critical equipment to full operational readiness.

180 Degrees Consulting - UGM

Jan. 2021 - Dec. 2021

- Contributed IT expertise to key business initiatives, from designing system process flows to meet client requirements to co-developing a new website to expand client outreach.

Student Representative Council Board Member - Faculty of Mathematics and Natural Science UGM

Jan. 2021 - Dec. 2021

- Arranged, audited, and established Faculty of Mathematics and Natural Science UGM 2021 Student Act that instituted faculty laws to abide and budgetary for organization and clubs under faculty, and oversaw its enforcement.