

# 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 AI projects, including a dynamic pricing system and customer/stock monitoring tools.
- 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.

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.