

Gusti Rais

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Aspiring Data & Software Engineer | ANU Chancellor's Scholarship Recipient | Experience in Data Pipelines, CI/CD, and enterprise analytics with international internship experience.

EDUCATION

Bachelor of Advanced Computing (Hons.)

Jul 2024 - Jun 2026 (Expected)

Australian National University, Canberra, Australia

- Awardee of the ANU Chancellor International Scholarship
- Relevant Courses: Systems, Networks, and Concurrency, Statistical Machine Learning, Computer Vision, Software Engineering Projects,

Bachelor of Science (B.S.) - Computer Science

Aug 2022 - Jun 2026 (Expected)

University of Indonesia, Depok, Indonesia

- Relevant Courses: Advanced Computing, Computer Networks, Software Engineering

WORK EXPERIENCE

Data Engineering Intern

Nov 2024 – Feb 2025

Ooredoo Group, Doha, Qatar

- Designed and deployed a Python-based backend leveraging Retrieval-Augmented Generation (RAG) to automate manual workflows, resulting in over 20 hours of weekly time savings.
- Integrated Langfuse and LangGraph to construct advanced knowledge graphs, improving data retrieval accuracy by 65% and enhancing decision-making across three business units.
- Conducted comprehensive system diagnostics, resolving 17+ critical bugs and performance issues to ensure platform stability and scalability.
- Led the frontend development lifecycle using Next.js and Tailwind CSS, delivering fully responsive, user-centric web interfaces aligned with stakeholder requirements.
- Developed and maintained CI/CD pipelines on Azure Cloud Services, reducing deployment cycles by 60% through automated testing and streamlined release processes.
- Collaborated within Agile cross-functional teams, facilitating daily stand-ups and sprint planning to align deliverables with evolving business goals and timelines.

Teaching Assistant

August 2023 – July 2024

Universitas Indonesia, Depok, Indonesia

- Delivered tutorials and provided hands-on guidance during lab sessions to assist in the instruction of the undergraduate courses Introduction to Digital Systems and Data Structures and Algorithms.
- Conducted one-on-one and small group consultations to support diverse learning needs, resulting in improved student performance and engagement.
- Collaborated with course instructors to review teaching materials, contribute to assessment design, and ensure curriculum alignment.
- Helped facilitate communication between students and academic staff, effectively bridging learning gaps and addressing student concerns.

ORGANIZATIONAL EXPERIENCE

Cofounder, Head of Partnership and Finance

Jan 2025 – Present

ANU Data Science Community, Canberra, Australia

- Spearheaded comprehensive branding strategy development and collaborated with executive team to establish distinctive organizational identity and market positioning
- Implemented robust financial management systems to monitor revenue streams and optimize operational expenditures
- Cultivated strategic relationships with industry executives, securing partnerships with a prominent data analytics firm and support from a Silicon Valley angel investor

Head of Audit and Governance

September 2022 – Feb 2024

AIESEC in Universitas Indonesia, Indonesia

- Designed and implemented team collaboration strategies, fostering a high-performance work culture that enhanced productivity and professional growth
- Established comprehensive governance frameworks and policies, ensuring organizational compliance with laws, regulations, and industry standards while promoting transparency and ethical conduct
- Developed and executed precise audit plans aligned with organizational objectives, delivering accurate and actionable findings to drive continuous improvement

HONORS & AWARDS

Finalist of Data Mining GEMASTIK XVI

September 2023

Pusat Prestasi Nasional

Our team developed an innovative solution leveraging computer vision to accurately detect various types of cancer cells within a comprehensive image database. The project utilised TensorFlow, Pytorch and Vision Transformer to successfully achieve classification. Our work was recognized, leading us to become finalists in the prestigious GEMASTIK XVI competition at Universitas Brawijaya.

TECHNICAL SKILLS

Programming Languages:

- Python
- JavaScript
- TypeScript
- Golang
- C/C++
- Rust
- Lua

Web Development:

- HTML5/CSS3

- Backend Development
- Version Control (Git, GitHub)

Data Science:

- Machine Learning
- Data Analysis & Visualization
- SQL (PostgreSQL, MySQL)

Cybersecurity:

- Wireshark
- Cisco Packet Tracker
- Burp Suite

QA Tools:

- PyTest
- Postman
- Selenium