# Gusti Rais

Canberra, Australia

gusti.fatu@gmail.com | +61 424 381 718 | www.gustirais.com | www.linkedin.com/in/gustirais

Final-year Advanced Computing student specializing in machine learning and data science  to bridge the gap between technical complexity and strategic decision-making. Proven track record of designing automated analytics and user-centric dashboards that transform raw data into high-impact, actionable insights for diverse stakeholders.

## EDUCATION

**Bachelor of Advanced Computing (Hons.)**                    Jul 2024 - Jun 2026 (Expected)
*Australian National University, Canberra, Australia*

- *Relevant Coursework*: Software Engineering Project, Statistical Machine Learning, Systems and Concurrency, Algorithms, Computer Vision, Computer Networks
  - **Software Engineering Capstone:** Served as **Project Manager**, leading Agile sprints with Jira and Confluence, managing team workflows, and delivering project milestones on schedule.

**Bachelor of Science (B.S.) - Computer Science**          Aug 2022 - Jun 2026 (Expected)
*University of Indonesia, Depok, Indonesia*

## AWARDS

- Recipient of the ANU Residential Scholarship
- Recipient of the ANU Chancellor International Scholarship
- Finalist of GEMASTIK Data Mining Competitition

## PROFESSIONAL EXPERIENCE

**Data Scientist Intern**                                        December 2025 – Present
*Altimeda Solutions, Jakarta, Indonesia*

- Performed comprehensive data modeling, cleansing, and transformation across multiple raw manufacturing datasets to ensure high-quality inputs for predictive systems.
- Developed a machine learning-based operator scheduling system using historical factory data to automate assignments.
- Led end-to-end stakeholder meetings for PT Mattel Indonesia, successfully transforming complex business requirements into technical documentation and actionable data solutions for diverse audiences.
- Engineered a predictive model to extrapolate operator metrics, converting raw data into interactive "work-roadmap" visualizations that provide actionable insights.
- Architected a microservices-based backend for data retrieval, storage, and cleaning, utilizing Python and SQL to build a seamless delivery system for analytics and reporting.

**Fullstack Developer**                                          August 2025 – Present
*Pookie Platforms, Canberra, Australia*

- Architected and deployed full-stack job matching platform infrastructure, orchestrating seamless CI/CD pipelines for both frontend and backend systems serving multiple concurrent users.
- Developed a custom job recommendation engine from scratch in Python, designing and implementing machine learning algorithms that analyze user profiles.
- Integrated advanced AI capabilities into the platform, including natural language processing for resume parsing and job description analysis, enhancing matching precision and user experience.
- Designed and implemented secure RESTful API architecture with comprehensive authentication systems and payment gateway integrations.
- Collaborated effectively with cross-functional stakeholders and aligning development priorities with business objectives and user needs.

**Software Engineering Intern**                                    November 2024 – February 2025
*Ooredoo Group, Doha, Qatar*
- Delivered impactful backend automation solutions saving 20+ hours weekly, helping teams focus on delivering member-first outcomes
- Improved enterprise decision-making by 45% through AI-powered data pipelines, enabling faster insights for business units serving millions of customers.
- Led frontend development with Next.js and Tailwind CSS, creating responsive and user-friendly interfaces.
- Engineered robust CI/CD pipelines on Azure Cloud Services, cutting deployment time and increasing software reliability through automated testing that detected 95% of issues pre-production.
- Implemented Agile methodologies in a cross-functional team, hosting weekly standups and sprint planning, resulting in high stakeholder satisfaction scores.

## TECHNICAL PROJECTS

**Python Developer and Project Manager**                          March 2025 – October 2025
*Time Space, Canberra, Australia*
- Led cross-functional team of 7 developers to deliver custom software solution for Griffith University's Timelab Research Cluster, implementing agile methodology with sprint cycles and daily standups.
- Designed project timelines and conducted comprehensive risk assessments for feature implementations, proactively identifying technical dependencies and resource constraints to keep deliverables on schedule
- Engineered Python-based computer vision pipeline for automated facial recognition and object detection, evaluating and optimizing multiple deep learning models (YOLO, RetinaNet, MTCNN).
- Managed stakeholder communications with Griffith University research team, facilitating regular requirement gathering sessions and progress updates.
- Established documentation standards and code quality practices across the development team.

## ORGANIZATIONAL EXPERIENCE

**Cofounder, Vice President**                                    December 2024 – November 2025
*ANU Data Science Community, Canberra, Australia*
- Established organizational mission and vision while implementing financial management systems and bookkeeping processes to ensure sustainable operations.
- Designed and delivered training programs to develop member capabilities in data science, and organized events fostering collaboration and knowledge sharing.
- Cultivated strategic partnerships with leading Canberra organizations including Accenture, Aristotle, and Trellis Data, connecting members with industry experts for mentorship and professional development.

## TECHNICAL SKILLS

**Languages & Frameworks**

- Python (FastAPI, Flask, PyTorch, TensorFlow, scikit-learn, pandas, NumPy)
- JavaScript / TypeScript (React)
- R
- Dart (Flutter)
- C / C++ (Data structures, algorithms, systems programming)
- Rust, Golang (Concurrent systems, high-performance applications)

**Web & Frontend Development**

- React, TypeScript, HTML/CSS, Responsive Design
- RESTful APIs, GraphQL

**Machine Learning & AI**

- Deep Learning Frameworks (PyTorch, TensorFlow)
- Natural Language Processing, Computer Vision
- Data Analysis & Visualization