NAFIS AZIZI RIZA

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EDUCATION

The University of Queensland — Feb 2024 - Jun 2025
Bachelor of Computer Science, Data Science

University of Indonesia — Aug 2021 - Jun 2025
Bachelor of Computer Science, Computer Science

National University of Singapore — Jan 2023 - May 2023
Exchange Semester, Computer Science

EXPERIENCE

Software Engineer Intern, Telkom Indonesia — Jul 2023 - Dec 2023
- Revamped architecture to ensure secure user data storage, and integrated into existing infrastructure.
- Improved API functionality by resolving 10+ critical bugs, resulting in a 40% decrease in error reports, and achieved code coverage of >85%.

Teaching Assistant, University of Indonesia — Aug 2022 - Jan 2023
- Mentored a group of 8-9 students in Python programming, resulting in average grade improvement of 75%.

PROJECTS

SPARC, Smart Predictions and Action for Responding to Wildfire Crises — Oct 2023
- Developed a web app addressing the public health crisis of wildfire smoke by predicting its movement.
- Working on the frontend using React Leaflet for the maps API, contributing interactive mapping features, location tag, wildfire spots, and wind simulations.

MatkulGue, University Course Catalog & Course Planner — May 2023 - Aug 2023
- Built a MERN stack web app enabling 200+ users to access a personalized course catalog and timetabling tool.
- Successfully scraped 14K+ courses from the university's official websites, optimized queries reducing average execution time by 40%, and deployed application to AWS EC2 instance, achieving 99.9% server uptime.

Peopl, Ultimate Online Discussion Forum For Youth Empowerment — Jul 2023
- Built a platform that offers secure anonymous discussions, and personalized matchmaking features.
- Implemented a backend server using Node.js and Express, integrating with a MongoDB. Completed with secure authorization using JWT and encrypt with salted password.

Seanema, One Stop Movie Booking App — Jun 2023
- Coded using React & TypeScript, enabling 20+ users to browse & book movie tickets from various showtimes.
- Implemented a backend server using Node.js and Express, integrating with a PostgreSQL database. Completed with secure authorization using JWT and encrypt with salted password.

ACHIEVEMENTS & HACKATHONS

- **1st Place Youth Empowerment Hack** at Garuda Hacks, The biggest Hackathon in South East Asia.
- **National 3rd winner, NASA Space Apps Hack, 2023**. Creating a solution towards managing the wildfire.
- **Bio Farma X MIT Hacking Medicine**, Delivering healthcare solutions along with professionals.
- **Top 20 (from 200+ teams) of Information technology Business Competition, Gemastik 2022.** The biggest IT competition in Indonesia held by Ministry of Education.

SKILLS

Programming Languages	Java, Python, Typescript, Javascript
Web/Mobile Development	React, Node, Django, AWS, Docker, Sonarqube, HTML, CSS
Data, AI/ML	SQL, NoSQL, MongoDB, Pandas, Scikit-Learn