Fadhlan Nur Rachman

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Computer Science student at BINUS University who builds AI or Machine Learning models and the production software around them. Comfortable across the AI/ML stack such as LLM, PyTorch, Tensorflow, Scikit-Learn and the software engineering side such as Python, Django, SQL, Docker, AWS. With hands on experience shipping AI and Machine Learning, a strong desire to learn, and a passion for applying knowledge and skills to contribute to real world projects and make a significant impact.

EDUCATION

Bina Nusantara University (BINUS) | Bandung, Indonesia — Sep 2024 - Mar 2028 (Expected)
Bachelor of Computer Science, GPA 3.83/4.00

- Relevant Courses: Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Speech Recognition, Algorithm Design and Analysis, Software Engineering, Research Methodology.

SMK Negeri 1 Cimahi | Cimahi, Indonesia — 2021 - 2024
Software Engineering, Final Score 87/100

WORK EXPERIENCE

Indonesia AI (PT Teknologi Artifisial Indonesia) | Remote — Sep 2025 - Nov 2025
Junior Web Developer Intern (Full Stack)

- Developed and deployed scalable full stack services for an AI based education platform using Python, ensuring seamless integration between learning modules.
- Built CRUD features and SQL queries across two connected databases and documented each feature under Scrum methodology with daily checkpoint meetings and sprint cycles.

Lintasarta (PT Aplikanusa Lintasarta) | Bandung, Indonesia — Jan 2024 - May 2024
Software & Technician Engineer Intern, West Java Area Operations

- Proposed and built Fault Dashboard, a real time dashboard that scrapes live CRM ticket data, cutting outage visibility from hours to seconds. Still in production today as the teams internal super app.
- Maintained network infrastructure stability and performed routine technical troubleshooting across client services.

ORGANIZATIONAL EXPERIENCE

Lab Curiosity Competition Team, BINUS Bandung | Core Team — Jan 2025 - Present
Represented BINUS Bandung's Computer Science program in AI/Software Engineering competitions, pushing through early round losses to reach the GEMASTIK XIX 2026 national finals.

Google Developer Group on Campus BINUS Bandung | Pragmatic AI / ML Staff — Oct 2025 - Sep 2026
Delivered a StudyJam on benchmarking Face Emotion Recognition models to 50+ participants and organized an AI/ML workshop for 30+ attendees, from sourcing speakers, create materials to running live sessions.

Bina Nusantara Computer Club (BNCC) | R&D Staff — Sep 2025 - Sep 2026
Conducting research and development on web architecture within organizations through collaborations across several regions.

SELECTED PROJECTS

ThinkPath | GEMASTIK XIX 2026 National Finalist — 2026
Built an AI platform that verifies whether students genuinely understand their own submissions, combining comprehension checks with stylometric analysis on a Django backend. Reached the GEMASTIK XIX 2026 national finals and still on going.

Indonesian Local Script Handwriting Recognition | ML Researcher, IEEE paper (Accepted) — 2026
Preprocessed and balanced a 55,713 image, 228-class dataset with a cost sensitive approach, combined MobileNetV2 and EfficientNet-B0 features with XGBoost, LightGBM, and CatBoost. Our demo reached 91.40% accuracy and 90.94% macro F1 with findings documented in a paper currently accepted for an IEEE conference.

Sovereign Dialect Bridge | Software Engineering & NLP Course Project — 2026
Led a three-stage NLP pipeline such as dialect detection, translation, summarization, that lets citizens file public complaints in 12 regional dialects and proposed the technical approach after comparing it with existing government platforms.

Aromara | External Competition Project — 2025
Integrated the LLM / Gen AI so users describe a scent in plain language and receive AI generated raw material recommendations, matched against a live farmer database.

SKILLS

Soft Skills: Critical Thinking, Problem Solving, Teamwork, Communication, Time Management, Teaching
Programming: Python, C, Java, JavaScript, TypeScript, SQL, PHP, Go
AI & ML: PyTorch, TensorFlow, Scikit-Learn, Hugging Face Transformers, LLM / Gen AI, NLP, Computer Vision, OpenCV
Tools & Practices: Git, Docker, AWS EC2, Postman, Linux, Figma, REST API, Scrum, staging deployment, QA testing
Languages: Indonesian (native), English (intermediate, preparing for IELTS)