Nobel Shan Setiono

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SUMMARY

Full-Stack AI Engineer specializing in Intelligent Systems and AI-driven automation. Proven track record of building production-grade architectures, from document intelligence pipelines to vector-search property engines. Experience instructing CS fundamentals to university students. passionate about leveraging LLMs and Agentic Workflows to solve complex enterprise problems.

PROFESSIONAL EXPERIENCE

MOLADIN   **Jakarta Selatan**
Software Engineer Intern (AI / Full-Stack)   **MARCH 2025 – Present**

- Engineered a document intelligence pipeline automating PDF data extraction into structured Google Docs, significantly reducing manual processing time by ~70% while maintaining high extraction reliability.
- Developed an automated report generation module that transforms car condition appraisal reports into concise, structured summaries for marketplace listings, supporting the generation of ~140 reports monthly while improving content standardization and review efficiency.
- Built a property analysis engine integrating Vector Search for pricing insights and an AI Agent to automate environmental risk and infrastructure research.
- Led R&D on AI Agents by developing a Database Agent to streamline internal data retrieval and system interactions, reducing manual query workflows for internal users.
- Worked closely with a tech lead within an international engineering team to develop AI-driven features aligned with production-grade development practices.

BINUS UNIVERSITY   **Kemanggisan, Jakarta Barat**
Software Laboratory Assistant   **FEBRUARY 2023 – February 2025**

- Instructed 7-9 classes every week each semester for both Computer Science and Information Systems majors.
- Qualified to teach more than 85% of all laboratory practicum subjects.
- Completed five mandatory Test Progressive Assistant (TPA) which consist of Game Programming, Business Analysis and Desktop Application Development, Web Design and Programming, Mobile Application Development and Networking.
- Developed an internal web scheduler with automatic email invitations for my Research Interest Group (RIG).

BINA NUSANTARA COMPUTER CLUB (BNCC)   **Kemanggisan, Jakarta Barat**
Activist   **NOVEMBER 2022 - November 2023**

- Served as Publication and Registration Staff for BNCC Techno Talk I, managing publication activities and handling ~500 registrants.
- Participated in the Project Apprentice Program, contributing to cross-functional team projects and coordinating tasks among 4–6 members.

EDUCATION

BINUS UNIVERSITY   **Kemanggisan, Jakarta Barat**
Bachelor of Computer Science, Current GPA: 3.76   **2022 - 2026**

SKILLS

Programming Language: C/C++, C#, Python, Java, Kotlin, Javascript, TypeScript, Go, PHP

Data: SQL Server, MySQL, R, PostgreSQL

Intelligent System: Tensorflow, Keras, Scikit-Learn, Deep Learning, Machine Learning, AI Agents, ADK

Frameworks: React, Next.js, NestJS, Laravel, Flask

ACHIEVEMENTS

2nd Place Codefest Hackathon 5.0   SEPTEMBER 2024

- Designed an innovative fashion e-commerce platform that combines Web3 technology and Internet Computer Protocol (ICP) with virtual try-on technology.