

MUHAMAD FAZRIN NUGRAHA

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Final-year Informatics student with hands-on experience building **full-stack web applications** and **integrating applied AI models**. Experienced with **TypeScript, Node.js, and Python**, seeking opportunities as a **Software Engineer** or **AI Engineer**.

EDUCATION

GUNADARMA UNIVERSITY

Undergraduate degree in Informatics

Cumulative GPA: 3.70/4.0;

Depok, ID

Sep 2023 – Present

EXPERIENCE

Coding Camp Dicoding by DBS Foudation

Remote

AI Engineer

Feb 2026 – Aug 2026

- **Served as Team Lead** for the capstone project, Emigria, coordinating a cross-functional team across Data Science, Front-End Development, and AI Engineering.
- **Built and integrated a two-stage AI fraud detection model**, combining Gemini API for document extraction with a custom-trained deep learning model to accurately flag fraudulent job postings targeting migrant workers.
- **Built the end-to-end preprocessing and deployment pipeline**, shipping the model as a production-ready API service using Docker.

Course Participant of Lembaga Pengembangan Komputer Gunadarma

Bekasi, ID

Web Development

Sep 2023 – Jun 2026

- **Completed a structured 3-year (6-semester) programming curriculum**, progressing from database fundamentals to core programming logic across multiple languages.
- **Built a foundation in database management through hands-on SQL training**, learning querying and database design directly from instructors, with each module reinforced by a final project.
- **Practiced core programming logic through hands-on coursework in multiple languages, guided directly by instructors each session.**
- **Earned certification** across all three curriculum tiers by passing standardized end-of-module competency exams..

Freelance

ID

Full-Stack Engineering

Dec 2023 – Present

- **Built 3 web-based applications** an invoice generator, a company profile website, and an operational monitoring dashboard using TypeScript and Node.js.
- **Implemented core features** such as authentication workflows, real-time dashboard data, and automated invoice generation.
- **Delivered client solutions** focused on billing automation, digital presence, and operational visibility, with an emphasis on usability and system reliability.

PROJECTS

SocialCollateral AI — Social Graph Risk Engine (*MVP*) | [\[GitHub\]](#)

app.social-collateral.id

Role: Frontend Engineer

Built an AI-powered social graph engine for microfinance risk scoring, addressing the gap between transaction data and unquantified communal trust. Analyzed **100+ community networks** with **246 relationship edges**, using **graph analysis** and **NLP sentiment detection** to transform informal trust patterns into quantifiable lending risk metrics.

Emigria — Multimodal AI Platform for Detecting Overseas Job Fraud | [\[GitHub\]](#)

emigria.my.id

Role: Technical Lead & AI Engineer

Built a **multimodal AI platform** that detects fraud in overseas job offers. The system uses Gemini API to extract data from posters, images, and text, then a custom **TensorFlow MLP model** to classify fraud risk combined with PMI-specific red flag rules to generate an **explainable risk report**.

HireVision — Career Decision Support System | [\[Github\]](#)

hirevision-beryl.vercel.app

Role: Lead Researcher & Full-Stack Developer

Developed a web-based **career decision support system** for Jabodetabek job seekers using **Random Forest** for salary and cost-of-living prediction. Combines commute mapping with **real-time traffic-aware routing** and an **affordability ratio** to assess how livable a job opportunity really is, backed by an **AI consultant** for personalized financial advice..

Stashwise — Multi-Asset Portfolio Tracker | [\[Github\]](#)

fe-smartwealth.vercel.app

Role: Technical Architect & Fullstack Developer

A **multi-asset investment portfolio tracker** that brings **stocks, crypto, mutual funds, and gold** into one unified dashboard, replacing multiple apps with a **real-time** view of portfolio performance. The platform leverages **AI** to deliver **personalized insights** and **stock price predictions**, turning scattered financial data into actionable investment guidance.

GoLearn — Full-stack Learning Management System | [\[Github\]](#)

lms-mern-fe.vercel.app

Role: Full-stack Developer

A **learning management platform** with separate roles for **Managers** and **Students**, streamlining course creation, learning materials, and **student progress tracking**. Managers can build courses with video and text content, organize them into categories, and manage enrollment — all backed by **secure authentication**.

ACHIVEMENT

- Amartha x GDG Jakarta HackathonNov 2025
- **Finished as Top 15 finalist among 140+ competing teams** in a national fintech hackathon.
 - **Built canvas-based graph visualization components** for SocialCollateral AI, integrating them into the frontend as part of the product's core UI..

CERTIFICATION

Mini Course Software Engineering RevoU	2024
Fundamental of Assistant Web Developer Nasional Digital Talent Academy	2025
English for Business Communication The British Institute x DBS Foundation, 2026	2026
Belajar Machine Learning untuk Pemula Dicoding	2026
Belajar Fundamental Deep Learning Dicoding	2026
Pengembangan Generative AI berbasis LLM Dicoding	2026

TECHNICAL SKILLS

- Languages:** Python, JavaScript/TypeScript, SQL
- Web Development:** React.js,Node.js, Astro.js, Tailwind CSS, RESTful APIs
- AI & Machine Learning:** Pandas, Scikit-learn, FastAPI, PyTorch, OpenCV, NLP/LLM Integration (Gemini/Groq SDK)
- Databases:** MySQL, MongoDB, PostgreSQL
- Tools & Platforms:** Git/GitHub, Docker, Streamlit, Figma
- Product & Documentation:** Technical Documentation, MVP Planning, User Research, Product Strategy

