

DINUKA INDUWARA

Software Engineering Undergraduate | Full-Stack, AI and ML Eng.

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PROFILE

Early career full-stack developer with hands on builds in Next.js + Django and practical exposure to Docker/ AWS. Strong at reading code, writing unit tests, and explaining solutions step by step a good fit for AI-training tasks: evaluate code, author examples, and debug across the stack.

CORE SKILLS

Languages: Java, Python, JavaScript/TypeScript, HTML, CSS

Frameworks & Tools: Django, Spring Boot, React, Next.js, Tailwind, AWS, Figma, Postman

Data & Infra: MongoDB, MySQL, Cassandra (prototype), AWS (S3/EC2 basics), Docker, Git/GitHub

AI/ML Exposure: Embeddings (BERT-style), vector search, Vertex AI basics, prompt design & evaluation

Collaboration: Code reviews, PR hygiene, Agile basics, concise docs/README

EXPERIENCE

Software Engineer(Intern)- Alphageeks (PVT) Ltd

2025- present

- Built a React + TypeScript dashboard and introduced design tokens for consistent styling.
- Integrated a Spring Boot backend with JWT/OAuth; added protected routes and session handling.
- Containerized local dev with Docker Compose for repeatable environments.
- Performed PR reviews, wrote unit tests, and documented changes for clarity.

PROJECTS

Shutr- Photographer Booking Platform

Full-Stack Developer | Django, Next.js, MongoDB, AWS

- Shipped a Django REST + Next.js platform for photographer discovery and bookings.
- Implemented AI search using image embeddings + text queries to rank photographers.
- Added admin approval workflow and separate auth flows for customers/photographers.
- Deployed core services on AWS (S3; EC2 basics) and maintained CI hygiene.

[Live Demo](#) | [Frontend](#) | [Backend](#)

FRIDAY - Personal AI Assistant (modular agents)

Full-Stack Developer | Python, React.Js

- Architected a plug-in system with clear agents/, tools/, models/, boundaries so new agents/ tools can be registered via simple manifests and imported without touching core code.
- Defined a minimal API contract between backend agents and the React client (message schema, tool-call payloads, streaming responses), enabling type safe request/ response handling.
- Implemented an agent lifecycle (plan - act - observe) with tool routing, error propagation, and retries: added structured logs for each tool invocation to simplify debugging.
- Built a chat UI with streaming tokens, tool-result panes, and per message metadata; added guardrails for max context size, rate limits and safe fallbacks on model errors.

[GitHub](#)

Breast Cancer Mortality Prediction System

Machine Learning Developer | Python, scikit-learn, Pandas

- Built a reproducible ML pipeline (imputation, encoding, scaling, train/ validation split) to predict mortality from socioeconomic and health access features.
- Trained baseline models (Logistic Regression, Naive Bayes, Decision Tree) and compared with cross-validation: reported ROC-AUC, PR-AUC, F1, and calibration plots.
- Performed exploratory analysis and feature screening; produced clean visualizations for class balance, correlation heatmaps, and partial error analysis.
- Emphasized reliability: fixed random seeds, captured exact package versions, and produced a single entry-point notebook to regenerate all results.

[GitHub](#)

Credit Card Fraud Detection – ML on imbalanced data

Machine Learning Developer | Python, scikit-learn, Pandas, Jupyter

- Conducted EDA and preprocessing (null handling, scaling, train/ validation split with stratification) on highly imbalanced transactions.
- Trained Logistic Regression and Random Forest baselines; evaluated with precision/ recall, F1, and precision-recall curves to reflect the business cost of false negatives.
- Addressed class imbalance with class weights and SMOTE; tuned decision thresholds to maximize recall at acceptable precision.
- Built a reproducible pipeline with feature transformations and model selection; documented assumptions, evaluation choices, and next steps

[GitHub](#)

AI CV Builder (ongoing)

Full-Stack Developer | Next.js, Tailwind CSS, LLM API

- Generates tailored CV bullets from a job description using prompt templates and structured JSON outputs; lets users edit drafts with a live preview.
- Built forms for Personal Details / Experience / Education / Skills with validation and a clean, tokenized UI; implemented PDF export.
- Defined server endpoints for JD parsing and completion requests; added basic safeguards (rate-limit, length guards, fallback prompts) and versioned prompt configs.
- Roadmap: user auth and persistence, template library, and “highlight-skills-from-JD” suggestions.

EDUCATION

BEng (Hons) Software Engineering - Undergraduate

University of Westminster (IIT), Sri Lanka

2023 – Present

G.C.E. Advanced Level (Physical Science)

Mahanama Central College, Monaragala

2021

ADDITIONAL

Languages: Sinhala (native), English (fluent)

Soft Skills: Problem-solving, teamwork, communication, adaptability, time management