

Gimesha Nirmal

Actively seeking entry-level / internship roles

SOFTWARE ENGINEER (ENTRY-LEVEL) — FULL-STACK · MOBILE · AI/ML

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SUMMARY

I'm a builder-type software engineer who enjoys working across backend, Android, and web. I turn fuzzy requirements into clean, secure, and maintainable solutions, and I'm comfortable using data modeling and computer-vision/ML when it helps. I care about pragmatic performance, good tests, and leaving the codebase better than I found it.

EDUCATION

Bachelor of Engineering (Software Engineering) Degree awarded by IIC University of Technology ; program delivered by Java Institute .	2021–2025
Secondary — Central College, Kuliyaipitiya Grades 6–13; GCE O/Ls & A/Ls.	2012–2021
Primary — St. Joseph's College, Kuliyaipitiya Grades 1–5.	2007–2011

CORE SKILLS & TOOLS

Backend

Java Spring Boot JWT/RBAC Hibernate/JPA REST OpenAPI/Swagger Python (FastAPI/Flask)

Mobile

Android (Kotlin) Jetpack Compose Retrofit

Web

React + TypeScript Bootstrap Tailwind

AI / CV

ONNX Runtime ArcFace SCRFD OCR

Data & DB

MySQL SQLite SQL design Indexing Reporting

DevOps & Tools

Git Gradle/Maven Conda WSL2 Docker (basics) GitHub Actions Vercel Cloudflare Tunnel / ngrok

ENGINEERING PROJECTS (PERSONAL/ACADEMIC)

Independent Project Work — Full-Stack / Mobile / AI <ul style="list-style-type: none">Built REST services for authentication, accounts/transactions, reporting, file handling, and admin flows.Implemented Android features in Jetpack Compose (payments, reloads, QR, details) with resilient networking.Created React/TypeScript dashboards with route guards, reusable components, and consistent theming.Integrated face-match, liveness, document classification, and OCR using ONNX Runtime and CV models.Increased reliability with structured logs, sensible timeouts/retries, and configurable similarity thresholds.Applied JWT/RBAC, input validation, and safe uploads; managed secrets via environment configs.Exposed local services safely for sandbox testing (Cloudflare Tunnel / ngrok).Wrote READMEs & OpenAPI specs; added smoke tests/Postman collections; set up basic CI runs.	2024–Present
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SELECTED PROJECTS

Secure Banking APIs

Personal

Spring Boot · JPA

Auth, transactions, reporting; pagination, indexing, search.
Stack: Java, Spring Boot, Hibernate/JPA, MySQL, JWT/RBAC

AI-Driven KYC Services

Personal

FastAPI · ONNX

ArcFace/SCRFD, OCR; thresholds, timeouts, logs.
Stack: Python, FastAPI, ONNX Runtime, OCR

Android Banking App

Personal

Kotlin · Compose

Cards, reloads, QR payments; resilient networking.
Stack: Kotlin, Jetpack Compose, Retrofit

Admin Dashboard

Personal

React · TypeScript

Guards, reusable components, bulk actions, audit log.
Stack: React, TypeScript, Bootstrap

PRACTICES & STRENGTHS

- Pragmatic performance: pagination, indexing, and clear error handling.
- Reliability: structured logs, timeouts/retries, and guardrails for AI/KYC flows.
- Developer experience: single-command local setup, READMEs, and OpenAPI/Swagger.
- Automation: CI smoke tests, linting, and simple release/checklists.

COURSES — AUDIT / NON-CREDIT

- **CS50x: Introduction to Computer Science** — Certificate of Completion (non-verified) · 2025
Credential URL available on request.
- **IBM AI Engineering Specialization — Coursera (audit track)** · 2025
Completed coursework; no certificate issued.
- **Google Data Analytics Professional Certificate — Coursera** · in progress

LEADERSHIP & ACTIVITIES

National Cadet Corps (NCC), Central College, Kuliyapitiya — Cadet (2016–2018) → **Corporal (2019)** → **Sergeant (2020)**

- Led junior cadets in drill/fieldcraft; coordinated parade preparation and logistics.
- Promoted discipline and safety; supported event organization.

CERTIFICATES — NON-TECHNICAL / LEADERSHIP

- **NCC — Platoon Sergeant Course (completed)** · NCC Training Centre, Rantembe · Jan 2020
- **NCC — Annual Assessment Camp ×2** · Rantembe · 2016 and 2017
- **NCC — Hermann Loos Challenge Trophy (Platoon) ×3** · Rantembe · 2016, 2017, and 2019

AWARDS & COMPETITIONS — NON-TECHNICAL

- **Sri Lankan Junior Astronomy Olympiad — Merit Award** · Institute of Physics, Sri Lanka · 20 Jun 2015
- **Sri Lankan Junior Astronomy Olympiad — Merit Award** · Institute of Physics, Sri Lanka · 18 Jun 2016

LANGUAGES

English · Sinhala