

AYAAN MINHAS

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🌐 [LinkedIn](#) 🐙 [GitHub](#)

PROFESSIONAL SUMMARY

Computer Science (AI) undergraduate (CGPA 3.94) with experience building RAG-based AI systems and enterprise loan-origination backends using Oracle PL/SQL and PHP. Strong in LLM integration, vector search, and full-stack development across web and Android, with a focus on scalable, reliable systems.

TECHNICAL SKILLS

Languages

Python, Java, C++, C#, SQL, PL/SQL, PHP, JavaScript

AI & Machine Learning

RAG pipelines, LLM prompting, Vector Search, Embeddings, Local LLM Inference, Finetuning

Infrastructure & Tools

Oracle DB, Git, Cloudflare Tunnels, WinSCP, PuTTY, Flask, Web Hosting

Web & Mobile

React, JS, HTML/CSS, Android Studio, Joget DX

PROFESSIONAL EXPERIENCE

Software Engineer Intern (ORCA Team)

Aug 2025 – Present

[JurisTech, Kuala Lumpur](#)

- Built and refactored backend loan-origination workflows using **Oracle PL/SQL** and **PHP**.
- Implemented credit scoring, income validation and AML rules, reducing manual checks for sales teams.
- Wrote diagnostic SQL and supported GitLab-based deployments to UAT & Production environments.

Research & Development Assistant

Nov 2024 – Present

[Centre for Technology & Innovation \(CTI\), APU](#)

- Developed proof-of-concept web applications (HTML/CSS/JS) for internal and student-facing platforms.
- Modernized legacy modules, improving responsiveness and page load times.

Teaching Assistant – Python with AI Basics (Crash Course)

Jul 2025

[Minhas Rupsi](#)

- TA for a 4-week Python + AI crash course for 50+ students.
- Helped students progress from Python basics to Gemini-powered chatbots using Google AI Studio and APIs.

Chief Information Officer (CIO)

Feb 2022 – Feb 2023

[Nixor Creative Studios, Pakistan](#)

- Led IT operations for a 50+ member volunteer team, managing website infrastructure and digital assets.
- Directed the relaunch of the *Sharkpress* online journalism platform, improving uptime and engagement.

MAJOR PROJECTS

Minhas Rupsi Learning Platform

Full Stack | RAG AI

minhasrupsi.computer [↗](#)

- Developed a full-stack learning platform (web & mobile) using **Flask** and custom APIs.
- Designed a high-accuracy **RAG chatbot** indexing lecture notes, improving student query response time by >60%.
- Created optimized vector embeddings and retrieval logic for fast, context-aware answers.

89th Parallel LMS — Multi-Subject AI

Scalable RAG Architecture

89thparallel.me/chatbot [↗](#)

- Engineered a multi-knowledge-base retrieval system for **Physics, Math, and Chemistry**.
- Added a dynamic subject-switching engine, improving knowledge-base precision significantly.
- Implemented a subject toggle where the backend loads the correct Physics, Math, or Chemistry knowledge base and embeddings based on the student's selection.

Local LLM Ecosystem (Mobile & Web)

Android | Flask | Edge Computing

- Built an Android and web client that connects to local open sourced LLMs running on Mac.
- Implemented secure **Cloudflare Tunnel** exposure for remote LLM usage.
- Reduced inference latency by optimizing request batching and local routing.

Area-51 Browser Game

Three.js | CANNON.js

- Built a 3D survival game with enemy AI, physics, inventory, quests, and UI systems.
- Implemented full combat logic and interactive world mechanics using JavaScript-based libraries.

EDUCATION

Asia Pacific University (APU)

2023 – Present

Bachelor of Computer Science (Hons) (Artificial Intelligence)

CGPA: 3.94 — Vice Chancellor's List 2024 & 2025 | Dual Degree with De Montfort University (UK)

Nixor College

2021 – 2023

GCE A-Levels: 4 A*, 1 A (Further Math, Math, CS, Physics, Chemistry).

ACHIEVEMENTS & CERTIFICATIONS

- **Google Labs Trusted Tester:** Early evaluator for Imagen 2 and Veo 2 (Whisk Animate).
- **AI Art Creator ([@ai.illusions](#)):** Built an AI art community on Instagram, with **15k+ followers**.
- **CEMC Euclid Distinction:** Top 25% globally, **Scinnova V:** Grand Runner-Up.
- **Certifications:** AI Agents Fundamentals (Hugging Face), Carbon Literacy (DMU).