

POSHAN PEEROO

Level 3 Computer Science Student

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ABOUT

Level 3 Computer Science student with a passion for building well-crafted, impactful software. I specialize in mobile apps, full-stack web development, AI systems, and network programming. Through internships, hackathons, and open-source contributions, I've gained hands-on experience solving real-world problems with modern tools. I'm eager to keep learning and contribute to projects where I can make a tangible difference.

EXPERIENCE

Software Engineering Intern

WhiteStorm LTD

Oct 2024 – Mar 2025

Mauritius

- Developed an AI-powered financial news aggregator using **Scrapy**, **Flask**, **MongoDB**, and **Ollama**.
- Implemented **vector search** for semantic content retrieval.
- Built a modern **Next.js** frontend integrated with **Mongoose** for seamless database interaction.
- Utilized **Docker**, **Python**, **TypeScript** for scalable deployment and automation.

Core Member

Cyberstorm.mu

Sept 2023 – Present

Mauritius

- Contributed to a **framework for assessing international readiness for post-quantum cryptography**.
- Presented research at **TestCon** and **ZANOG** conferences.
- Part of the team recognized by **Google** for Dropbear security enhancement with quantum-resistant encryption.

Freelance Android Developer

Tracker - Fitness App

Feb 2023 – May 2023

Remote

- Built "Tracker", an Android app for personalized workout tracking and progress analysis.
- Developed using **Kotlin**, **Jetpack libraries** with local data storage and visualization.

PROJECTS

Polaris – AI Travel Companion

Jan 2025 – Apr 2025

- 1st Place Winner - UoM AppCup 2025
- Android app combining AI navigation, gamification, and accessibility features.

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DermAI - AI Telemedicine App

 Jul 2024 – Aug 2024

- Built an AI-powered mobile app for skin condition detection using **Flutter**, **TensorFlow**, **Supabase**.
- Features: image classification, video consultations, health chatbot.

TCP/IP Stack Simulation

 Dec 2023 – Jan 2024

- Developed a functional TCP/IP stack simulator in **Go** for Layer 2 and Layer 3 behavior testing.
- Enables modeling of real-world network scenarios and protocol experimentation.

CookBook - Recipes & Videos (Android)

 Jul 2021 – Jan 2023

- Published on Google Play, built using **Kotlin** with **Firebase** for real-time data sync.

ACHIEVEMENTS

- AppCup Winner (Aug 2025)**: Polaris – AI Travel Companion (Hackathon)
- IETF 123 Hackathon (Jul 2025)**: Enhanced OpenShield AI firewall with TLS 1.3 and post-quantum cryptography. [Read]
- Research Publication (Mar 2024)**: Framework for quantum readiness assessment. [Read]

EDUCATION

B.Sc. Computer Science

University of Mauritius

 Jun 2023 – Expected Jun 2026

SKILLS

Problem Solving

Communication

Teamwork

C

C++

Java

Kotlin

Go

Python

TypeScript

JavaScript

Dart

Flutter

Android Dev

Next.js

React

Supabase

Firebase

MongoDB

Docker

Linux

Scrapy

Ollama

Networking