

SAKEN DINMUKHAMMED

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EDUCATION

City University of Hong Kong
BS in Computer Science **CGPA: 3.38**

Hong Kong
09/24 - 06/28

Related Coursework: Computer Programming, Computational Probability, Data Structures, Computer Networks, Computer Organization, Problem Solving and Programming

WORK EXPERIENCE

HedgeSPA ↗ React, TypeScript
Frontend Developer

01/26 - present

- Refactored the legacy code and logic of backend queries, leveraging **Tanstack Query** to improve data fetching efficiency and reliability for client portfolio management and stock prediction features
- Collaborated on the redesign and implementation of key frontend components using **React**, enhancing the user experience and data visualization of the trading web app's interface for private banks

Pyramid AI ↗ NextJS, TypeScript
Full Stack Developer intern

10/25 - 12/25

- Delivered a WhatsApp GenAI assistant that answers site safety questions by utilizing **Twilio**, **NextJS** and **RAG pipeline** over **Supabase** that retrieves the top-matching document chunks with relevance scores and generates recommended solutions with reference images from the original PDF
- Enabled AI agent governance by introducing configurable role-based agent availability, giving leadership full control over which AI agents employees can use while maintaining scalability
- Integrated a third-party uptime monitoring service to track service availability and deployment stability to ensure user experience during outages and updates

Nnenu ↗ React Native, TypeScript, Expo, React
Software Engineer Intern

03/25 - 09/25

- Implemented a secure **two-factor authentication** system using **AWS Cognito** to protect user data, integrating the solution end-to-end within the **AWS** ecosystem for scalable and reliable authentication.
- Developed a robust user feedback system with integration of **DynamoDB** both on the landing page and on the mobile app collecting and centralizing user feedback leading to actionable insights
- Collaborated on integrating map functionality to implement a location-aware recommendation system, tailoring user feeds based on real-time and historical location data to boost engagement and relevance

PROJECTS

Qustar ↗ React Native, Expo, TypeScript, Python

- Created an AI-powered bird photo identification system by integrating **GenAI**, resulting in **90%+** accuracy in bird species recognition with detailed information about every bird
- Built and deployed a custom **HTTP server** with the locally hosted **AI model** BirdNET for real-time bird sound recognition, enabling users to identify bird species from audio recordings with high accuracy and low latency

Sportan React Native, TypeScript, Expo, Python

- Designed an **AI-driven** talent discovery feature that transforms data into actionable talent insights. Generating predictive sport recommendations and personalized development roadmaps
- Created a system of weekly training-quality insights by designing data pipelines over historical workouts and assessments, and integrating **LLM-based** summarization to generate coach-facing reports

SKILLS

Programming Languages: Python, JavaScript, Java, TypeScript

Frameworks: React, React Native, NextJS, Expo

Databases: Supabase, DynamoDB, Firebase, MongoDB

Tools & Technologies: Docker, Figma, GIT, GitHub, AWS, Azure