







# Ayaan AHMAD



## PROFILE SUMMARY

Software Engineer with expertise in backend development, AI-driven solutions, and scalable architectures. Proficient in NestJS, MongoDB, MySQL, and FastAPI. Experienced in building impactful applications, including fraud detection systems and AI-powered platforms.

## CONTACT DETAILS

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## PERSONAL INFORMATION

Citizenship: **Indian**

Family: **Single**

Languages: **English, Hindi, Urdu, Spanish**

## SKILLS

- **Backend:** Node.js, NestJS, Django, FastAPI, Spring boot
- **Frontend:** React, React Native, Angular, Chakra UI, Tailwind CSS, Material UI
- **Databases:** MySQL, MongoDB, Firebase, Postgress
- **Tools:** AWS, Azure, Huawei Cloud, Docker, GitHub, CI/CD
- **Programming:** JavaScript, TypeScript, Python, Java, C++

## EXPERIENCE

SOFTWARE ENGINEER at Kalsym Sdn. Bhd.

July 2023 – Nov 2024

- **Analytics B2B/SIM Backend Application:** Designed and developed backend systems to analyze user behavior, identifying strong points and trends. Built a recommendation system based on user behavior, enhancing user retention and engagement by **15%**.
- **Global Profiling and Loyalty Services:** Contributed to the development of global profiling systems and customer loyalty services in B2B/SIM applications, improving customer satisfaction rates.
- **Fraud Detection Modules:** Developed fraud detection modules, securing system and reducing fraudulent activities by **25%**.
- **AI-Powered Solutions:** Engineered an **AI-based recommendation system** that increased user engagement by **20%**. Designed an **AI-driven document digitization tool**, digitizing documents and improving operational efficiency by **30%**.

## EDUCATION

B.S. IN COMPUTER SCIENCE (HONS.)

Multimedia University

May 2021 – Nov 2024

GPA: **3.75/4.0.**

**Courses:** Object-Oriented Programming/Analysis & Design, Algorithms Design & Analysis, Artificial Intelligence, Discrete Math, Software Design/Requirements Engineering, IT Project Management.

**University Activities:** Technical Member of IT Society from Feb. 2022 to Jan. 2023

Developed IT Society website and Designed Coding Problems for programming competitions like Hack 2022, and CodeNecton 2022.

**Extra Programs:** Business Intelligence Case Studies, a Virtual Joint Program by MMU and Telokm University.

## PROJECTS

**Traffic Light Assistance** *React Native, ModelArts, Firebase* | YouTube Video

- Trained a model to detect traffic lights with 85% accuracy on ModelArts.
- Developed a mobile app for visually impaired individuals.

**SAS Travels and Tourism** *React, ChakraUI* | Website Link

- Developed a tourism website for a Dubai-based company, showcasing various travel packages and information.

**Unicab** *React Native, NodeJS, MySQL, Azure Cloud* | YouTube Video

- Built a React Native app offering e-hailing services for university students.

**QuickGrade** *HTML/CSS, Django, TensorFlow, NLTK* | YouTube Video

- Developed an **AI-driven automatic grading system** using NLP, reducing grading time by 80%.
- Authored a research paper on the system, currently under review in the **MethodX Journal**.

## AWARDS

- Dean's Honor List (5x).
- Team project for Huawei's Developer competition 2022, earned **Honorable Student Award**.
- 1st Runner-up for Best Final Year Project (2023) for Quickgrade.
- Best of the Best Award at InventX Exhibition (2023) for Unicab.
- 8th Place in CodeNecton 2021 Coding Competition.
- Book Award for Academic Excellence.