Syed Zubin Hafiz

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EDUCATION

- **Monash Univeristy** — Sunway, Malaysia
  Bachelor of Software Engineering (Honours); CGPA: 3.5 — *Feb 2021 – Oct 2024*
  Recipient of Monash High Achiever's Award scholarship

EXPERIENCE

- **Halbert** — Dhaka, Bangladesh
  Co-Founder — *Jan 2025 - Present*
  Part-time development role with project-based engagement

  - **AI Powered Crime Reporting**: Developed real-time crime alert system that increased public safety awareness by 35%, delivering insights to consumers, researchers, and government agencies.
  - **Feed Classification**: Finetuned AI moderator model using a RLHF (Reinforcement Learning from Human Feedback) machine learning techniques that improved automated reporting accuracy by 42% for crime-related article classification
  - **Secure Mobile Communications**: Developed confidential mobile application for government stakeholders that streamlined incident reporting workflows and enhanced operational efficiency
  - **React Native Geolocation System**: Built cross-platform mobile application with real-time GPS tracking, interactive mapping with incident markers, and location-based reporting capabilities for field operations.
  - **Secure Communication Platform**: Developed encrypted messaging system with hierarchical access controls, enabling secure communication channels between field personnel and command structure with detailed incident documentation.
  - **Real-time Notification Framework**: Implemented push notification system for operational updates, status changes, and priority alerts, ensuring immediate communication of critical information to field operatives.

- **Perceptron** — Dhaka, Bangladesh
  Junior Full Stack Developer — *Mar 2025 - June 2025*

  - **NextJS/Redux Bug Resolution**: Collaborated with international development team in **Thailand** to identify and resolve critical bugs in a pre-existing inventory management system called QashUp, improving system stability and user experience.
  - **Automated Invoice Generation**: Developed and implemented a NextJS library for automated invoice creation across multiple order types, streamlining the billing process and reducing manual workflow overhead.
  - **NestJS Backend Optimization**: Optimized backend architecture by refactoring database queries, implementing efficient caching mechanisms, and restructuring API endpoints to reduce response times by approximately 40%, significantly improving system responsiveness and reducing server load for the otherwise clunky inventory management platform.

- **Nubitel** — Kula Lumpur, Malaysia
  Intern Software Developer — *Nov 2023 - Feb 2024*

  - **Customer Support Portal**: Built comprehensive support system for 180+ users across 60 companies in **Singapore** and **Malaysia**, increasing client satisfaction ratings by 45%
  - **Nuxt3/Vue3/ExpressJS**: Optimized application architecture that improved response time by 30% using modern JavaScript frameworks.
  - **CI/CD Pipeline**: Streamlined deployment processes using Jenkins that reduced deployment time by 65%.
  - **Azure DevOps Version Control**: Managed collaborative development workflow that decreased code conflict issues by 40% through effective version control practices.

PROJECTS

- **HeartyMeals**: Developed a web application for chronic heart disease patients with personalized meal planning, curated recipes, and macro/water tracking using Nuxt 3 and Vue 3.
- **Humanizing AI**: Led development of an end-to-end testing pipeline evaluating human-likeness in AI-generated movie reviews using GPT-4 and Claude 3.5 Sonnet, achieving up to 95% human-likeness with complex prompts.
- **DocSync**: Developed an intelligent document processing system for a start-up in **Hong Kong** using Microsoft Word XML parsing and AI-powered semantic matching for cross-language synchronization, achieving over 75% effectiveness with near 100% accuracy.

PROGRAMMING SKILLS

- **Languages**: Python, JavaScript, C, SQL

- **Technologies**: MSSQL, MongoDB, NextJS, Nuxt/Vue 3, NestJS, ExpressJS, NodeJS, Langchain