Abed Al Rahman

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📍 Hong Kong SAR China

EDUCATION

BSc in Computer Science & Engineering **Kowloon Tong, Hong Kong**
City University of Hong Kong *Expected Graduation, June 2026*

International Exchange Semester **New York, USA**
State University of New York at Stony Brook *Jan 2024 - May 2024*

COURSEWORK

Cybersecurity Principles • Business Management • Software Design • Object Oriented Programming • Data Structures & Algorithms • Computer Networks • Computer Architecture • Internet Applications Development • Multimodal Interface Design • Problem Solving & Programming • Ethics & Accountability in IT • Advanced Calculus & Linear Algebra • Discrete Mathematics • Modern Arts & Bible Studies

EXPERIENCE

🖥 **Software Engineering Intern** **Jeddah, Saudi Arabia (Remote)**
Sharif Shipping Ltd *Nov 2024 - Jan 2025*
- Built **full-stack web apps** using React & Node.js, integrating RESTful APIs and CI/CD pipelines (GitHub Actions)
- Collaborated in an **Agile 5-person team** to gather requirements from international clients (Saudi Arabia, Turkey)
- Engineered optimized Python **data structures** for a course project, reducing memory usage by **30%** through algorithmic efficiency

📈 **Data Analyst Intern** **Tsuen Wan, Hong Kong**
AI Mnemonics Ltd *May-August (2024) | July-August (2023)*
- Analyzed timestamped smartwatch data for **1,000+** users, generating insights that improved health tracking accuracy by **25%**
- Developed a machine learning model using TensorFlow, achieving a **90%** accuracy rate in forecasting blood pressure indices
- Debugged and improved **500+** lines of Python legacy code, increasing the reliability of data-driven applications by **20%**

👥 **Student Ambassador & Technology Officer** **Kowloon Tong, Hong Kong**
City University of Hong Kong *Nov 2022 - May 2023*
- Led operations for **10+ university events** (TEDx, cultural fairs), coordinating **100+ students** across **6 programs** to boost engagement by **40%**
- Optimized performance of CityU's Tiger website
  - Achieved **99.8% uptime** and **35% faster load time** via JavaScript, HTML & CSS debugging
- Recognized for **proactive problem-solving** during on-site event support, coordinating with students from **15+ countries**

PROJECTS

📄 **AI-Powered PDF Chat Application** (Full-Stack Developer) **Hong Kong**
Personal Project *Dec 2024 - Jan 2025*
- Engineered a full-stack application that transforms static PDFs into **interactive AI-chat** experiences, through NextJS, TypeScript, Tailwind CSS and Azure LLM integration
- Implemented web-security solution with Clerk Authentication
- Engineered an innovative **vector embedding system** using Google Firebase that delivers contextually-precise answers within seconds

🗄 **Lead Generation Engine** (Full-Stack Developer) **Hong Kong**
Personal Project *May 2023 - August 2023*
- Engineered a **GDPR-compliant** lead generation system using Deepseek R1 API for intelligent web-crawling
- Developed sophisticated parsing algorithms using Python and Beautiful Soup that filtered prospects with **93% accuracy**
- Transformed the backend solution into a comprehensive web application using ReactJS

SKILLS

Programming Python • C/C++ • Java • JavaScript • SQL • Assembly • HTML& CSS
Technology Git/Github • AWS/Vercel • TensorFlow/PyTorch • ReactJS/NextJS • NodeJS/ExpressJS • Clerk/Firebase • MongoDB

AWARDS & HONORS

2024 Dean's List Award from the College of Engineering, Semester-A 2023-2024
2023 International Undergraduate Scholarship (**worth 70,000 USD**)
2023 Cultural Diversity Award for organizing cultural festivities (**worth 15,000 USD**)
2023 Tech-Tiger Award (international talent recognition award)