

AHMED BIN FAISAL

[in Ahmed Bin Faisal](#) | +60163172767 | Ahmedfaisal1255@gmail.com | KL, Malaysia | [dinnerboneA](#)

Computer science undergraduate skilled at translating academic concepts into hands-on solutions, from C++ system tools to Python web apps. Proven track record delivering robust projects under tight deadlines and collaborating across interdisciplinary teams. Eager to apply my analytical mindset and coding proficiency in a dynamic software engineering internship.

Education

BSc in Computer Science **Asia Pacific University of Technology & Innovation** *Kuala Lumpur, Malaysia* [2023 - 2026]

- **Relevant Coursework:** AI, Networking, Object-Oriented Programming (OOP), Systems Analysis (CGPA: 3.5)
- **Key Achievement:** Top 5% in AI and Networking modules.

Projects

AI & Machine Learning

- **AI Research Tool for Lawyers in Pakistan (NLP, AI, Python)**

Architected a legal research tool using Python and a custom transformer-based AI, reducing precedent-finding time by 65% with advanced NLP.

- **Wardrobe.AI - AI-Powered Outfit Recommendation System (Computer Vision, AI)**

Collaborated in a team to develop an AI-driven app, achieving 90% positive feedback and reducing user setup time by 25% through optimized AI algorithms.

- **NattyAI Personalized Fitness Chatbot (NLP, AI, REST APIs)**

Developed a chatbot that achieved 92% user satisfaction via GPT-3.5 Turbo integration and reduced response latency by 20% by optimizing REST API calls.

Core Systems & Programming

- **Concurrent Programming - Multi-threaded System (Java)**

Implemented a multi-threaded system in Java, applying advanced concepts of thread synchronization to prevent deadlocks and ensure robust performance.

- **Disaster Relief Logistics Management System (C++, Data Structures)**

Developed a C++ system that models disaster relief logistics using core data structures, including Stacks, Queues, and Priority Queues, to manage supplies and coordinate volunteers.

- **Financial Transaction Fraud Detection (Data Structures, Algorithms)**

Designed a system to analyze financial transactions for fraud detection, evaluating and optimizing different search and sorting algorithms to enhance data processing efficiency.

- **Library Management System (Assembly Language, Low-Level Programming)**

Constructed a functional Library Management System in Assembly Language (TASM), demonstrating a profound understanding of system-level programming and direct memory manipulation.

Software Development & Architecture

- **EcoTrek Adventures Tour Management System (SDLC, Agile)**

Designed a booking system that was 60% more efficient and reduced scheduling conflicts by 45% using SDLC and an Agile framework.

- **Hotel Management System (C, SDLC)**

Streamlined check-in/check-out processes by 25% using modular C code, reducing system errors by 40% via robust input validation.

- **Food Ordering System (Java, OOP)**

Cut order processing time by 30% using SOLID principles and multithreaded real-time notifications.

- **MapleTech Enterprise Network Design (Networking)**

Built a scalable LAN/WAN for 4 offices with 99.8% uptime, reducing IP conflicts by 35% through subnetting and VLAN segmentation.

Skills

- **Languages & Frameworks:** Python, C, C++, Java, Pygame, Assembly Language (TASM), MySQL, NLP (Natural Language Processing), REST APIs
- **Core Concepts:** Data Structures & Algorithms, Concurrent Programming, System Design, Network Architecture, Software Development Life Cycle (SDLC), Object-Oriented Programming (OOP)
- **Tools & Platforms:** Cisco Packet Tracer, Figma, Lucidchart, Git, Postman, Microsoft Project, IBM Watson
- **Certifications:** IBM AI Fundamentals, Red Hat System Administration I (RH124), Cisco CCNA (in progress)

Achievements

- **University Event Organization:** Collaborated with a team of 10 students to organize "The Future of Tech Hiring" talk with a senior employee from SEEK Asia.
- **Cross-Functional Team Leadership:** Led 3 teams to deliver **A-graded projects** on time, including Wardrobe.AI and EcoTrek systems.
- Successfully led a 16-member fundraising project for a local orphanage, selling Basbousa and iced tea; as **Research Manager** and **Accountant**, helped turn a RM200 (PKR 13,000) budget into RM900+ profit in 3 days, and authored the final project report.
- **Best Delegate (BD)** of MUN winner in two consecutive conferences, demonstrating leadership, diplomacy, and negotiation skills.
- Advocated for global policy solutions in committees with 100+ international participants.

Language

- **English** (Fluent)
- **Urdu** (Fluent)
- **Hindi** (Fluent)
- **Punjabi** (Conversational)