

# Ammar M. Anwar

## Computer Science Major

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**Ammar Mohammad Anwar**

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### Skills

**Machine Learning** | AWS Cloud Services adept | Excel, PowerPoint & Microsoft services | **Full Stack Developer expertise** | Cisco Packet Tracer

Programming: **Python** | C++ | Java | C | C# | NodeJS | JavaScript | MS-SQL | MySQL | Oracle | HTML/CSS | web3 | Assembly | ReactJS

Soft Skills: Team Player | Critical Thinker | Problem solving oriented | Time Management

Management: Leadership | Project Management | Event Management | Event Hosting

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### Projects

Implemented an **Aircraft Route Optimization system** using Genetic Algorithms in Python, optimizing flight routes based on real-time weather data and aircraft performance parameters to minimize fuel consumption.

Implemented a **decentralized travel booking system** using Ethereum **smart contracts** and **React**, enabling users to create, accept, and reject travel requests *securely* on the **blockchain**.

Developed a **web-based timetable management system** using **Flask** and JavaScript, enabling users to view, modify, and download class schedules with drag-and-drop functionality and dynamic data updates.

Developed **multiple web-based Point of Sale** systems for various industries, including *pharma and supermarket inventory*, with fully integrated **MSSQL server** backends.

Completed a **web scraping project** analyzing and visualizing data from three Pakistani university websites, focusing on adjectives, verbs, and nouns, and constructed a graph to analyze noun connectivity and metrics.

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### Education

**FAST National University of Computer and Emerging Sciences (FAST NUCES - ISB)**

2020 - 2024, Islamabad

Bachelor in Computer Science (BSCS - 2020)

**Pakistan International School Jeddah - English Section (PISJ - ES)**

2013 - 2019, Jeddah

Middle school to **O & A levels**

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**Certifications & Extra  
Curricular**

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**AWS Academy Graduate - AWS Academy Microservices and CI/CD Pipeline Builder**

Public Relations Manager of **Fast Alumni Outreach Society - FAOS** | 3rd Position for FAST Startup Challenge | Member of **Fast Quran and Sunnah Society - FQSS** | Hosted Seminar "*Real World Ethics and Disciplines of being a Software Developer*" by RedCoast Corps