Saad Ahmed

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Islamabad, Pakistan

OBJECTIVE

Creative and results-driven computer science student with strong attention to detail. Seeking a **Software Engineer Intern** role to apply and enhance my technical skills, and contribute to innovative projects in a collaborative environment.

EXPERIENCE

Laboratory Teaching Assistant   Aug 2024 – Dec 2024
FAST National University of Computer and Emerging Sciences   Islamabad, PK
- Assisted in delivering the *Data Structures (CL2001)* lab course for 60+ undergraduate students.
- Evaluated programming classwork and provided one-on-one debugging/testing support in C++.

EDUCATION

Bachelor of Science (B.S.) in **Computer Science**   Aug 2022 – Aug 2027
FAST National University of Computer & Emerging Sciences   Islamabad, PK
- Coursework: Data Structures, Object-Oriented Programming, Database Systems, Operating Systems, Artificial Intelligence, Algorithm Design & Analysis, Computer Networks

GCE A Level in **Pre-Engineering**   Aug 2020 – Aug 2022
Beaconhouse College Programme   Islamabad, PK
- Coursework: Mathematics, Chemistry, Physics

PROJECTS

Website Optimisation
- Optimised content and meta tags on a website, enhancing the UI and improving its adaptability for all screen sizes.
- Cleaned the root directory, organising assets within specified folders.
- Utilised version control with GitHub to integrate all updates into the original site.

CoinWars
- Programmed a GUI-based human vs computer maze game in C++ SFML.
- Developed battle logic and win conditions based on combat elimination.
- Implemented an AVL tree-based scoreboard and a shortest-path algorithm for game mechanics.

Chess
- Collaborated on a 2-player chess game in C++ for command-line interfaces.
- Programmed game mechanics, move validation, and turn-based logic.

Portfolio Website
- Created a personal website using HTML and CSS to showcase my projects.

SKILLS

Computing Languages: C/C++, HTML, CSS, Python, SQL
Tools & Technologies: GitHub, Ubuntu, Visual Studio, Visual Studio Code, Microsoft SQL Server
Miscellaneous Skills: Technical Writing, Attention to Detail, Teamwork