

Saad Ahmed

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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 *2022 – 2027*
FAST National University of Computer & Emerging Sciences *Islamabad*

- Coursework: Data Structures, Object-Oriented Programming, Database Systems, Operating Systems, Artificial Intelligence, Algorithm Design & Analysis, Computer Networks

GCE A Level in Pre-Engineering *2020 – 2022*
Beaconhouse College Programme *Islamabad*

- 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

- Designed a GUI-based human vs computer maze game in C++ SFML.
- Programmed 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