Hasnaat Malik

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EDUCATION

FAST NUCES — 08/2022 – Present
Bachelor of Science in Computer Science — *Faisalabad, Pakistan*

- Key Courses: Data Structures, Object-Oriented Programming, Operating Systems, Algorithms, Web Development, Computer Networks

EXPERIENCE

IT Intern — 06/2023 – 08/2023
Asif Law Associates — *Faisalabad, Pakistan*

- Managed data and Excel sheets to streamline administrative workflows.
- Contributed to operational efficiency by assisting with various administrative tasks.

Marketing Co-Head — 02/2023 – 02/2023
FAST NU — *Faisalabad, Pakistan*

- Created engaging content for social media platforms.
- Secured sponsorships by presenting detailed portfolios to potential partners.

PROJECTS

Peer-to-Peer File Sharing and Chat Application — Node.js, Express, WebSocket

- Developed real-time file sharing and chat features.
- Implemented file previews and group chat for seamless user experience.

Mini Operating System Simulation — C++, SFML, GTK

- Simulated basic OS functionalities like task management and memory allocation.
- Incorporated graphical interfaces for better user interaction.

Dictionary with AVL Tree — C++

- Enabled efficient insertion, deletion, and word search.
- Ensured entries were stored in alphabetical order with word suggestions.

JavaScript Quiz Game — JavaScript, HTML, CSS

- Created a dynamic quiz engine with answer validation and result display.
- Gained experience with DOM manipulation and event listeners.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, SQL, Assembly Language, HTML/CSS

Frameworks: Node.js, Bootstrap, Express

Tools: Git, GitHub, VS Code, PyCharm

CERTIFICATIONS

Harvard CS50x *(May 2023 – June 2023)*

Web Development Bootcamp