Faareh Ahmed

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Education

National University of Sciences and Technology   Expected September 2026
Bachelor of Engineering in Software Engineering (CGPA: 3.41 / 4.00)   *Islamabad, Pakistan*
- **Relevant Coursework:** Data Structures and Algorithms , Object Oriented Programming, Probability & Statistics, Computer Networks, Operating Systems, Database Systems

Experience

CodSoft   Aug 2023 – Sep 2023
Front End Developer   *Remote*
- Designed and developed engaging user interfaces using React.js, significantly enhancing the overall user experience and interactivity of the applications.
- Implemented advanced API calls through the integration of the Axios library in React.js, improving data retrieval and communication with server-side resources.

Projects

MediCare | *React.js, Node.js, Express.js, MySQL, TailwindCSS*
- Spearheaded the development of the Hospital Management System, bringing automation to critical hospital operations by facilitating the patients and hospital staff, resulting in increased efficiency and simplified workflows.
- Implemented advanced state management techniques in React.js, leveraging Recoil.js for global state management. This ensured seamless communication and synchronization of data across various components, optimizing application performance and facilitating efficient data flow.
- Implemented advanced Database Concepts using MySQL, employing normalization techniques to eliminate redundancy and enhance data integrity.

Googler | *Python, Flask, NLTK, HTML, CSS*
- Developed a high-performance Search Engine for news articles, demonstrating proficiency in data structures and algorithms. Employed state-of-the-art techniques to ensure rapid and precise searches, elevating overall application efficiency and user experience.
- Implemented Dynamic content addition functionality with meticulous utilization of data structures, resulting in a significant reduction in uploading time.
- Created the custom data structures including Forward index, Inverted Index and Lexicon for enhancing the system's capability to handle complex queries with efficiency.

The Flags | *React.js, RESTful API, CSS, Bootstrap*
- Developed a web application for real-time exploration of global demographics, languages, and currencies. Utilized the Axios library to seamlessly integrate with RESTful APIs, providing up-to-date information about various countries worldwide.
- Implemented a filtering feature on the client side, enhancing user interaction by allowing seamless customization and refinement of displayed content.

Technical Skills

Languages: C, C++, Python
Technologies: React.js, Next.js, TailwindCSS, Shadcn, Directus, MySQL, Node.js
Concepts: Object-Oriented Programming, Data Structures and Algorithms, Version Control, Database Systems, Computer Networks, API,