Farhan Asghar

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EDUCATION

University Of Sargodha   **Sargodha, Pakistan**
                                                                     Sep 2020 - Sep 2024

Bachelor of Science in Software Engineering (3.72 / 4.00)

ACHIEVEMENTS

- Proficient in data structures (linked lists, graphs, arrays, heaps, trees) with 289+ problems solved on LeetCode and 100 Days Badge earned for consistent problem-solving on LeetCode
- Excelled in Stanford's "Graph Search, Shortest Paths, and Data Structures" course with a 91% grade, demonstrating strong skills in advanced algorithmic techniques and problem-solving strategies.
- Achieved a 92% grade in Stanford's "Divide and Conquer, Sorting and Searching, and Randomized Algorithms" course, mastering concepts in algorithm design.
- Achieved an overall 6.5 band in IELTS.

WORK EXPERIENCE

Tech n Dev's   **Sargodha, Punjab**
Frontend Intern   *Mar 2021 - Oct 2021*

- Developed and implemented a visually appealing and user-friendly front-end for a Portfolio website using React.js, Redux, and Material UI.
- Developed and implemented a visually appealing and user-friendly front-end for a college website using HTML, CSS and Javascript. visit

Freelance   **Turkey**
Node.js Backend Developer   *Sep 2022 - Nov 2022*

- Wrote and executed unit tests for a Node.js project using Jest framework
- Contributed to finding and fixing bugs before pushing code to production

TechLogans   **Sargodha,Punjab**
Frontend Developer   *Sep 2023 - Nov 2024*

- Developed a mobile-responsive analytics page in React, integrating CoinMarketCap and DeFi Lama APIs for real-time data, with sortable lists, customizable chart time frames, blockchain selectors, and interactive elements. visit
- Converted a static survey tool into a dynamic, mobile-responsive React app with 10 paginated sections, progress tracking, and personalized graphs and product recommendations based on user responses. visit
- Design and code the tracking system in an educational web based application, to track each user sessions details, which includes user logging time, time spend on each route and interaction on each page.

Hyperion Dev   **London, Remote**
Coding Mentor   *Apr 2024 - Present*

- Provide personalized coding mentorship and support to students in web development (HTML, JavaScript, MERN stack), ensuring their technical growth and success in an online bootcamp setting.
- Foster an inclusive and engaging learning environment, offering guidance, feedback, and resources to help students overcome challenges and master complex coding concepts.

PROJECT

University Of Sargodha   **Sargodha, Pubjab**
Computer Networks Lab Project   *Nov 2022 - Dec 2022*

- Designed and implemented a multi-network topology for a university using Cisco Packet Tracer, configuring IPv4 addressing, DHCP, DNS, HTTP, FTP, and email servers to support communication and resource sharing.

- Ensured network security by setting up firewalls, blocking ICMP ping for scanning, and managing secure web access and file transfer services.

Block Trace FYP   *Nov 2023 - May 2024*

- Developed a supply chain management system using React, Node.js, and Solidity, incorporating inventory management and real-time product tracking with QR code technology.
- Leveraged blockchain and decentralized solutions to secure, authenticate, and ensure transparent, tamper-proof transactions.

VOLUNTEER EXPERIENCE

University Of Sargodha   **Sargodha, Punjab**

Head Department IT Club   *Nov 2022 - Jun 2024*

- Led and organized career guidance and skill-building sessions for students, including first-year students, to support their career development and growth.
- Facilitated events and activities that provided students with networking opportunities, industry insights, and connections with potential employers.

Blood Donation Society   *Mar 2024 - Jul 2024*

- Assisted in organizing blood donations for thalassemia patients, accident victims, and children, ensuring timely and adequate blood supply.
- Managed new volunteers by coordinating onboarding activities and facilitating their integration into the society's operations.

SKILLS & INTERESTS

Skills: Vs Code, Git, Github, Linux,

Interests: Blockchain, Distibuted Computing.