

Technical Skills

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|------------------|--------------------|------------------|----------------------|
| • Next JS | • Node JS | • Express JS | • React JS |
| • AWS/Azure | • MongoDB | • SQL Databases | • Redux Toolkit |
| • Web Sockets | • SpringBoot | • GitHub/Git | • EJS |
| • Vercel/Netlify | • Electron JS | • Matlab/Open-CV | • Machine Learning |
| • Java/JavaFX | • Python | • Pandas/NumPy | • Matplotlib |
| • Power BI | • Data Warehousing | • R/TidyVerse | • Visualization in R |

Experience

Full Stack Developer - CodeSuite (Part-time)

(Jan'24 – Mar'24)

- Developed and deployed fully functional API endpoints on AWS Lambda functions and managed file storage with AWS S3 buckets.
- Managed a production ready electron application, cleaning up code and bugs. Implemented screen share feature on live video calls.
- Developed a prototype for Ads scheduling application with admin portal in React, Client-side application in Flutter and the entire backend was developed in Express JS with TS. Later the prototype was deployed on AWS.

Course Projects

- Tumor Detection from images by adjusting images using image processing techniques in cv. Labeling the data and training CNN for tumor classification and detection using Segmentation. [Code](#)
- Social Networking application built in MERN Stack. Utilizing web sockets for chat implementation. Authentication and authorization using Token based auth. [Code](#)

Open Source

- Completed the 2023 Hacktoberfest while working on many open-source projects from small to large.
- Added pagination for a Web-based open-source project to help reduce the load on website.
- Developed an entire new Contributions page for IEEE RAS CUI LHR Student Chapter's website.

Freelancing

- Complete functioning Portal for IEEE RAS CUI LHR (Student Chapter) that can be used to view the members. Members can customize their profiles. The portal handles around 5000+ requests on a good day and stores profiles of more than 180 members. (Next, Redux, Typescript, PostgreSQL). [Preview](#)
- Developed a full stack application with Next JS and Firebase. Allows the users to post queries on public forum as an interactive platform. Custom Built chat system to allow users to anonymously contact the admin for their problems. [Preview](#) • [Code](#) (Website was never populated by the admin).
- Inventory and Sales Management Application built with Electron JS and Firestore Database. Keeps tracks of purchases and sales and the tiniest transactions from day-to-day usage. [Code & Preview](#)

Achievements

- Beta MLSA Student Ambassador in Microsoft Student Ambassador Program.
- Lead of Tech Community in Campus with over 100 members. Delivered several workshops.
- Top 30 out 100 teams in Competitive Programming in Softec'24.
- GDSC Codewar: Runner up in competitive programming (2022)

Education

Comsats University Islamabad, Lahore Campus

Bachelor of Computer Science (2021-2025)

CGPA: 3.10

- Tumor Classification using CNN and detection using Segmentation Techniques
- Social Networking Web application in MERN stack from scratch with Chat Features as well.
- OOP Chat Project: Built with Java and Firebase
- Database Project: Inventory and Sales Management with SQL Server