

EDUCATION

BS Computer Science | Lahore University of Management Sciences (LUMS)

Sept 2018- May 2022

CGPA 3.3 | Relevant Courses: Object-Oriented Programming, Operating Systems, Software Engineering, Computer Networks, Advanced Programming, Network Security

EXPERIENCE

Associate Software Engineer | Airlift Technologies

May 2021 – July 2022

Joined with preference for Full Stack/Backend Development and ended due to Airlift shutting down in Pakistan.

Lead Software Engineer | The Institute of Emerging Careers ([click to use demo](#))

Dec 2021 – 30 June 2022

AWS EC2 | AWS SES | NodeJS | ExpressJS | ReactJS & React Context API | EJS (Templating) | TailwindCSS | Babel (Browser Compatibility) | Redis | Bull | Mocha & Chai (Testing) | Nginx (Reverse Proxy) | Sequelize ORM | Git & Github

Designed for Low-Computer-Literate Students from non-Urban Areas | System optimized for low-power systems | Server-side routing | Ideated 4 scalable independent systems for the 4 phases of the IEC Process (Acquisition, Learning, Placement, Community) that work in harmony.

Team Lead | Software Engineer | OpenData Pakistan (opendata.com.pk)

Aug 2021 - Present

Open Source CKAN Project | Jinja2 | Python | Flask | Bootstrap | PostgreSQL | AWS EC2 | Git & Github

Built on the Open Source [CKAN](#) project | Developed custom plugins and themes | Managed team of 3 developers | Upgraded the production AWS EC2 instance from CKAN 2.8 to CKAN 2.9 | This project also acted as my **Senior Year Project**.

Head Teaching Assistant | Object-Oriented Programming Course at LUMS

Apr 2019 – Aug 2020

Head TA of both CS100 (Introduction to Programming in C++) and CS200 (Object Oriented Programming in C++) with Professor Shafay Shamail at LUMS | ~300 Students | Led a team of ~30 Teaching Assistants. [Click here for YouTube Playlist of my tutorial recordings.](#)

PHP Web Developer | Medical EMR System

2015 - 2016

In high school (11th grade), I created an EMR (Electronic Medical Records) website in PHP-MySQL for a local clinic named Murad Clinic in Lahore where it was tested. I intended to make it an EMR-as-a-Service platform for all local clinics.

PROJECTS

- **LMS & Acquisition System:** An EdTech platform for the Institute of Emerging Careers ([IEC](#)).
- **RESTful API for Apnay Rung:** Software Engineering course project | Wrote the backend API to a frontend React App.
- **Blockchain Messaging App (Python):** Received Grad School offer from Germany in Blockchain after this.

TECHNOLOGIES

Expert:

- AWS EC2, AWS SES, NodeJS, ExpressJS, Asynchronous JavaScript, ReactJS, PostgreSQL, SQL, Sequelize ORM, Redis, Mocha, Chai
- C++, Object-Oriented C++, C, Python, PHP, Laravel MVC, WordPress, Apache
- Figma Prototyping for UI Design | Adobe After Effects | Adobe Illustrator | Adobe Photoshop
- Microsoft Word, PowerPoint, Excel, Google Sheets

Moderate & Beginner:

- NextJS | TypeScript | Nginx (Beginner to Moderate)
- Python Flask (Moderate) | C Language | Multi-threaded programming (Beginner)
- DaVinci Resolve 17 (Beginner)

AWARDS & EXTRA CURRICULARS

- Listed in Book "101 Brilliant Students of Lahore" by FAIDA Foundation in 2016
- Director of IT & Creativity | LUMS Media & Arts Society (LMA) | FILUMS International Film Festival (2019-20)
- Assistance Director HumAahang – A society for interreligious harmony at LUMS
- Senior Humorous Declamation Speaker at GCU Debating Society

LANGUAGE PROFICIENCY

English (Proficient) | Urdu (Proficient) | Persian (Beginner) | Punjabi (Conversive)

INTERESTS

Urdu-English Literature, Modern Fiction & Modern Poetry | Philosophy & Theology | Languages (Persian) | Sports (Table tennis)