Muhammad Rohan Hussain

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EDUCATION

BS Computer Science | Lahore University of Management Sciences (LUMS)　　Sept 2018- May 2022
CGPA 3.3 | Relevant Courses: Computer Networks, Advanced Programming, Network Security, Operating Systems, Software Engineering

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
NodeJS | ExpressJS | ReactJS & React Context API | EJS (Templating) | TailwindCSS | Babel (Browser Compatibility) | Redis | Bull | Mocha & Chai (Testing) | Nginx (Reverse Proxy) | Sequelize ORM | AWS EC2 | AWS SES (Automated Emails) | 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 | CS100 & CS200 Courses at LUMS　　Apr 2019 – Aug 2020
CS100: Introduction to Programming in C++ | CS200: Object Oriented Programming in C++ | Professor Shafay Shamail | ~300 Students | Delegated work to & led a team of ~30 Teaching Assistants. Recordings of my Tutorials on YouTube.

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:
- NodeJS, ExpressJS, Asynchronous JavaScript, ReactJS, PostgreSQL, Sequelize ORM, Redis, Mocha & Chai, AWS EC2, AWS SES
- PHP, Laravel MVC, WordPress, Apache, Python, C++, Object-Oriented C++
- 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)