Muhammad Shazam Razzaq
Computer Scientist

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Experienced engineer with a background in **software development**, **data analysis**, and **cybersecurity**. Skilled in building **web/mobile apps**, **optimizing performance**, and enhancing **system security**. Proficient in **data-driven decision-making** and using **protective measures** to manage threats. Seeking to apply **technical expertise** and **problem-solving** to create **secure, scalable solutions**.

EDUCATION

BACHELOR'S IN COMPUTER SCIENCE
Namal University Mianwali

10/2022 - Present   *3.24*

Courses
- OOP
- Databases
- Artificial Intelligence
- Cybersecurity
- Data Structure
- Analysis of Algorithms
- Machine Learning
- Cloud Computing

WORK EXPERIENCE

Jr. Software Engineer
EZMD Solutions

07/2024 - Present   *Remote, United States*

Achievements/Tasks
- Developing **backend & frontend services** for YANA Medical, a **healthcare project providing medical food services.**
- Design and implement scalable APIs using **JavaScript, Node.js, and Express.**
- Building and optimizing frontend interfaces using **React.js** for a seamless user experience.
- Managing database interactions, design schemas, and implement data in Mongoose databases.

RESEARCH ASSISTANT
HPC RESEARCH FACILITY, NAMAL UNIVERSITY MIANWALI

06/2023 - 07/2023

Achievements/Tasks
- Assisted in setting up a basic HPC cluster to support high-performance computing tasks.
- Contributed to research on distributed computing and its applications.
- Presented findings and participated in discussions at the Super-computing Summer School
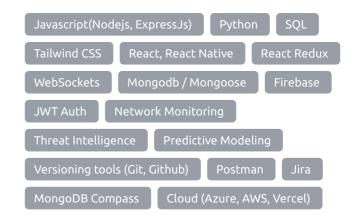
Python Programmer
Fiverr

08/2023 - Present

Achievements/Tasks
- Maintained a perfect 5-star rating with consistently positive reviews

SKILLS

Javascript(Nodejs, ExpressJs)   Python   SQL

Tailwind CSS   React, React Native   React Redux

WebSockets   Mongodb / Mongoose   Firebase

JWT Auth   Network Monitoring

Threat Intelligence   Predictive Modeling

Versioning tools (Git, Github)   Postman   Jira

MongoDB Compass   Cloud (Azure, AWS, Vercel)

PROJECTS

Patient Communication Platform
- Developing a secure telehealth platform using **MERN stack** and **React Native** for doctors, VMAs, and patients.
- Enabling **encrypted chat, video/audio calls, real-time EHR access, and telehealth visits.**
- Integrating appointment scheduling, task management, and payment features for seamless operations.

Startup Sprint
- Developed a MERN-based social **platform for startups** to connect with investors and collaborators.
- Implemented features like startup creation, user profiles, investment opportunities, and collaboration tools.
- **Deployed on AWS**; secured 2nd place at LUMS Hackathon 2024 for innovation and execution.

SIEM Solution with Wazuh
- Configured a **Wazuh-based SIEM solution** with manager, indexer, filebeat, and server configuration.
- Integrated Suricata, VirusTotal, Apache2, and Grafana for monitoring, threat intel, and visualization.
- Simulated attacks to test detection, created alerts and dashboards to improve incident response.

ConnectMe (Facebook Clone)
- Built ConnectMe, a **Facebook clone using Python, Tkinter for GUI, and SQLite3 for backend management.**
- Implemented features like account creation, friend management, status updates, and user pages.
- Focused on smooth user interaction and efficient database handling, replicating core social media behavior.

ACHIEVEMENTS

Runner-up LUMS PSIFI HackX'24 (12/2024)
Placed in the top 2 out of 50 teams in a national devathon.