MIR AMAAN ALI KHAN

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SUMMARY

Software developer with internship experience in AWS and Web Development. Project experience includes building applications on fullstack (React,Django) with Langchain and WebSockets API. Actively seeking a full-time role as a software developer, aiming to enhance my skills, demonstrate my credibility, and contribute significant value to the organization.

EDUCATION

B.E, Computer Science and Engineering   June 2023
Osmania University   8.28 GPA
Lords Institute of Engineering and Technology
Relevant coursework: Data Structures and Algorithms, Software Engineering, Artificial Intelligence.

TECHNICAL SKILLS

Front-end: React Native, ReactJs, NextJs, Framer-motion
Backend Server-side: Django, PostgreSQL, JWT(Auth), WebSockets(API)
Programming: Java, Python, TypeScript, JavaScript
Tools: Material UI, VsCode, Node, Selenium, AWS

EXPERIENCE

Rejolt EdTech- Remote: Web Development Intern   June 2022 – August 2022
- Designed components for better UI and interactivity (ReactJS, Bootstrap).
- Worked on user authentications for sessions (JWT).
- Deployed on demand websites (Vercel).

PayPal AWS- ICT Academy: Cloud Developer Intern   March 2023 – April 2023
- Mastered AWS tools and services (RDS, S3).
- Developed virtual environments for Software Development (EC2).

ACADEMIC PROJECTS

ML METHODS TO DETECT CYBER ATTACKS

Collaborated in a team of three to design a model to detect cyber attacks in smart grid.
- Various machine learning algorithms employed to detect attacks in a smart grid (KNN, Random Forest, SVM).
- Use-case: detect zero-day attacks (unknown anomalies) and known anomalies underneath the complex cyber-physical data flow in real time.

HUMAN ACTIVITY RECOGNITION

Using various python libraries built an application that could detect human activities.
- Developed a Human Activity Recognition system using Convolutional Neural Networks (CNN) to accurately classify complex activities from sensor data.
- Use case- Healthcare, performance analysis and intelligent monitoring

PERSONAL PROJECTS

Chat AI – NextJS, Django, Langchain: December 2023
- A chat application that uses WebSockets API to communicate with a language model.
- Harnesses the power of Langchain to provide users with intelligent and context-aware responses.

AL-Bayan – React Native, Django and NLP: Currently working*
- Spearheading Tech Tranz Saudi Arabia's international hackathon, I am leading the development of an application designed to revolutionize the religious teachings, fostering motivation and comprehension of religious books through innovative features.
- Integrating Artificial Intelligence and NLP, to help user understand and memorize books.