Mohammed Bilal Zubair

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Recent Software Engineering graduate with fundamental knowledge of Software Development, Design, and Data Structures. Seeking an entry-level position to utilize broad based educational background with excellent analytical, technical, and programming skills gained through academic and project experience.

Education

The University of Texas at Dallas

Bachelor of Science in Software Engineering   Dec 2024
- Cumulative GPA: 3.1
- Relevant coursework: Data Structures and Algorithms, Machine Learning, Object-Oriented-Design, Object-Oriented-Programming, Software Project Planning and Management, Software Architecture, Requirements Engineering, Operating systems, and Database Systems.

Projects

Search Engine
- Developed a search engine that processes user input, indexes keywords in a large database, and returns the most relevant results. Completed as a part of a five-man team.

Twitter bot using Python   @NewsBotAccount
- Built an automated twitter bot that posts curated news every 90 minutes using python and multiple news APIs. It processes and filters news data by topic (sports, politics, economics), by using data parsing and basic NLP techniques. Further Increasing my understanding of API rate limits, authentication, and data pipelines. Applied scripting and automation skills to build scalable, data-driven solutions for content distribution.

Amazon AWS and SQL project
- Deployed a dynamic website on an AWS-hosted server featuring a live-updating table connected to a SQL database. Site content automatically reflects changes made to the database, reinforcing skills in cloud infrastructure, database integration, and server-side deployment.

Experience

Front Desk Agent, Holiday Inn Express – Irving, TX   Sep 2020 – Feb 2021
- Operated in a fast-paced customer service environment, managing check-ins and check-outs for 20+ clients daily using database software, which strengthened my data management skills. With certain shifts being served as the night auditor, verifying the accuracy of financial and database records, demonstrating attention to detail and a high level of integrity in handling sensitive information.

Student Apprentice, Fellows Consulting Group LLC (FCG)   Aug 2024 – Dec 2024
- Led a team of 5 students at UTD in collaboration with a corporate sponsor from FCG to develop a private architecture assessment LLM, leveraging previous documents. Managed project timelines and deliverables, while facilitating weekly communications and progress meetings via MS Teams.

Skills

Programming: Python, C++, Java, JavaScript, TypeScript, SQL, HTML/CSS, Racket, bash
Development Tools: Visual Studio Code, Eclipse, Git
Technology: AWS, Linux, SDLC, Agile, TCP/IP, Django, Flask, Angular, Maven, Linux, spring/spring boot, React, MongoDB