Muhammad Mamoon Uddin

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Education

The University of Houston   Houston, TX
Bachelor of Science in Computer Science

Skills

Languages: Java, Python, SQL, JavaScript, HTML, CSS, R
Frameworks: Node.js, FastAPI, Spring
Developer Tool: Jupyter Notebook, Tableau, Excel, Google Suite, Microsoft Suite, Postman, Debeaver
Libraries: React, TensorFlow, Scikit-Learn, Pandas, Seaborn, NumPy, Matplotlib, PyTorch, Keras, Selenium, PySpark

Work Experience

Full Stack Developer   Houston, TX
Revature   Dec 2023-Present
- Orchestrated the creation of robust business logic for user authentication, message management, and data manipulation, meticulously ensuring a seamless and intuitive user experience.
- Collaborated within a dynamic team environment, fostering a culture of innovation and collective problem-solving, to develop RESTful API endpoints using Spring MVC. This involved regular code reviews, brainstorming sessions, and iterative improvements in meeting project objectives.
- Applied advanced techniques with Spring Data JPA to streamline database interactions, significantly increasing system efficiency and scalability. This included database schema design, query optimization, and performance tuning.
- Took a proactive approach in implementing comprehensive exception handling and request validation mechanisms, meticulously safeguarding data integrity and ensuring system reliability under various scenarios.

Software Engineer   Houston, TX
Technosys Consulting   Jan 2023-Sep 2023
- Engaged in cross-departmental collaboration to conceptualize and deliver customized software solutions, ensuring a user-friendly interface that consistently exceeded customer expectations.
- Demonstrated expertise in full-stack web development using Python, React, and Django to design, develop, and maintain dynamic web applications, ensuring optimal user experiences and backend functionality.
- Spearheaded the innovation of new features and enhancements, leading to a significant 15% reduction in user-reported bugs. This included strategic enhancements to the login system, and optimizing security and usability aspects to enhance overall user experience and system reliability.

Projects

Nile | *Java, Spring Boot, React, SQL, AWS* | Github Link | Site Link
- Developed a full-stack eCommerce application where users can buy and sell items, leave reviews, and manage inventory, implementing both back-end and front-end features.
- Utilized Spring Boot to Implement RESTful APIs and database interactions to facilitate communication between the frontend and backend components, ensuring smooth data flow and interaction.
- Collaborated with a team of 20 developers by implementing an Agile framework for planning and using Git for version control, employing branching, and facilitating continuous integration.

MMU Movies | *React, Node.js, Firebase, Tailwind CSS* | Github Link | Site Link
- Revamped movie discovery by implementing a user-friendly interface, resulting in a 25% increase in user engagement
- Engineered a secure Firebase login system, guaranteeing seamless entry and prioritizing user data privacy
- Implemented the TMDB API, enriching the platform with detailed movie plots and cast bios for over 5,000 entries.

PyInterp | *Python, C++, Linux* | Github Link
- Accelerated C++ development speed by one-third and reduced code length by 30% through OOP integration.
- Achieved a success rate of 95% by engineering language constructs for the interpreter that guaranteed smooth execution.
- Enhanced the efficiency of the Python interpreter by implementing error handling, this optimization significantly improved the overall performance and reliability of the software system.