Tamzid Alam

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SKILLS

- Python
- Java
- JavaScript
- C#

- C/C++
- Node.js
- Django
- React

- Express.js
- Oracle
- MySql
- HTML/CSS

EXPERIENCE

07/2023 - Present

Software Engineer, The Jockey Club - Lexington, KY
- **Application Redesign**: Spearheaded the migration from older technologies to Angular, enhancing application efficiency and maintainability.

- **API Call Optimization**: Reduced API calls, achieving a 2x improvement in response time and overall system performance.

- **Search Result Enhancement**: Implemented advanced filters to refine and improve search functionality for a more user-friendly experience.

- **Database Optimization**: Continuously optimized database calls to enhance application speed and responsiveness.

- **Bug Resolution**: Identified and resolved existing bugs, ensuring a stable and reliable application.

- **New Module Implementation**: Introduced a new module for displaying Horse Microchip data, expanding application functionality.

Tools: Angular, Spring Boot,Git.

01/2022 - 03/2022.

Research Assistant, University of Houston, Houston, TX
- **Simulation Design:** Designed and developed a Covid Data simulation.

- **Covid Data Prediction**: Utilized the fbprophet library to predict Covid data in specific zip codes with high accuracy using a minimal dataset.

- **Dashboard Creation**: Constructed a data presentation dashboard using Streamlit and used Google Places APi for maps.

Tools: Python,Streamlit,Google Places API

EDUCATION

08/2021 - 05/2023

Master of Computer Science,
University of Houston, Houston, Tx

09/2017 - 10/2020

Bachelor of Computer Science,
American International University-Bangladesh, Dhaka, Bangladesh
GPA: 3.98/4. **Summa Cum Laude**.