Javid Ibrahimov

662-782-3913 | jibrahimov@outlook.com | linkedin.com/in/javidibrahimov | github.com/javidibrahim

Technical Skills

Languages: Java, Python, JavaScript, HTML, CSS, SQL, NoSQL, MySQL, MongoDB, C#.
Frameworks: Flask, Node.js, Express, React, .NET, Maven.
Concepts: REST API Design, Web Scraping, Agile, Software Development Lifecycle (SDLC), Git Version Control, Object-Oriented Programming.

Education

Mississippi Valley State University Itta Bena, MS
Bachelor of Science in Computer Science *December 2024*

Experience

Software Engineer Intern May 2024 – Aug. 2024
Microsoft *Redmond, WA*

- Enhanced SQL Server Management Studio (SSMS) by adding UI functionalities for Azure SQL DB connections using C#, ensuring alignment with on-premises SSMS capabilities, and improving performance and user experience by implementing user-requested features scheduled for upcoming releases to better serve customer needs.
- Conducted comprehensive analyses of Azure SQL DB functionalities, collaborating with PMs and team members to ensure compatibility and optimal performance with SSMS.
- Refactored the SSMS codebase to eliminate hard-coding, thereby facilitating the integration of upcoming features.

Software Engineer Intern June 2023 – August 2023
Medtronic *Minneapolis, MN*

- Constructed SQL queries to analyze patient survey data using DBeaver (SQL) to reduce the incidence of false data in research reporting and developed a program for data cleansing that eliminated these errors.
- Surveyed Cardiac Rhythm Management team and collected critical data to optimize data visualization dashboards using Power BI.
- Led the development of a solution to gather and display data for surveys pushed to study participants, implementing telemetry functions that effectively extracted essential datapoints for survey reporting.

Projects

Ticket Sales Web Application | *JavaScript, React, Node.js, Express, MySQL* Feb 2024 – Dec 2024

- Built end-to-end web application for Athletics Department to optimize ticket sales at Mississippi Valley State University that led to 90% automation of ticket sales and reduction of overhead cost by 50%.
- Designed the backend/frontend structure and database schema using MySQL, implementing data normalization and integrity rules to ensure optimal performance and consistency.
- Engineered the web application, created a responsive front-end with React and a robust back-end featuring authentication, an admin dashboard, and payment processing.

Real-Time Communication Platform | *Python, Flask, WebSocket* Jan 2024 – March 2024

- Architected and developed a Flask-based web application implementing WebSocket protocol for real-time bidirectional communication, resulting in seamless user interactions and reduced latency.
- Engineered a robust backend infrastructure using Python, Flask-SocketIO, and SQLAlchemy, supporting concurrent connections and maintaining data consistency across multiple sessions.
- Implemented comprehensive API endpoints following RESTful principles, integrated with MongoDB for efficient data persistence, and utilized Git for version control and collaborative development.

Minkowski and Koch fractals | *Python, C++* Jan 2023 – Feb 2023

- Engineered fractal generation algorithms for Minkowski and Koch fractals, with the project presentation winning first place at Mississippi Academy of Sciences.
- Designed mathematical functions to generate fractal coordinates in C++, and visualized using matplotlib.
- Executed a plan by calculating mathematical models for fractals, and employed libraries to interface with a Python application for visualization.

Additional Information

National Society of Black Engineers (NSBE) Member, Society of Hispanic Professional Engineers (SHPE) Member