Sumer Punjabi

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Programming Languages: Python, Java, JavaScript, HTML5, CSS, C#, SQL, Typescript, PHP
Frameworks: React.js**,** JQuery, GraphQL, .NET, ASP.NET, Vue.js, Spring, Express
Technologies: Git, AWS, MySQL, Node.js, MySQL, Docker, Jenkins, REST API, PostgreSQL

EDUCATION

University of Windsor   **September 2021 - December 2023**
- Bachelor of Computer Science Honors | CGPA: 3.7/4
- Graduated with Distinction

WORK EXPERIENCE

University of Windsor   **September 2023 - December 2023**
Teaching Assistant   Windsor, ON
- Responsible for lab instruction, marking, and holding office hours for Intro to Software Engineering
- Demonstrated expertise in concepts like Scrum, Agile methodologies and Software Development life cycle

CarTrade Tech   **June 2023 - August 2023**
Software Engineer Intern   Mumbai, IN
- Contributed to the back-end development of a scalable web application using Node.js and Express, integrating RESTful APIs to facilitate seamless data exchange leading to a 64% improvement on the previous application
- Optimized MySQL database performance by redesigning queries and schemas, leading to a 30% faster data retrieval
- Designed a database microservice, to create, update and delete internal tables using C# and JavaScript
- Collaborated on a team to create a cloud-based application architecture, learning and applying cloud computing and OOP fundamentals to support scalable microservices deployment

Superblanks   **May 2022 - August 2022**
Full Stack Developer Intern   Virtual
- Identified and fixed critical performance issues in a JavaScript-based inventory management system, reducing load times by 40%, leading to a smoother user experience for over 500 daily users
- Engineered SQL database for a CRM system to 3NF, reducing data redundancy by 25% and query performance by 20%
- Enhanced a financial analytics tool efficiency by 30% with Python and Flask, by improving modularity and scalability

CarTrade Tech   **June 2021 - April 2022**
Software Engineer Intern   Mumbai, IN
- Developed an JWT authorization microservice using C#, .NET and Go while adhering to rigorous web security standards
- Created a lightweight service to concurrently upload data for monitoring to Prometheus using JavaScript and Jenkins
- Used C# and .NET Core to create a testing microservice for API endpoints, unit tests and component tests
- Developed a JavaScript API for a web application, handling user authentication and push notification services

PROJECTS

Pathfinding Algorithm Visualizer | Demo | Github | (React.js, Redux, JavaScript)   **2024**
- Successfully developed a 'Pathfinding Visualizer' web app using JavaScript, HTML, CSS
- Implemented and visualized complex algorithms, including Dijkstra's, A*, Jump point search
- Used React.js and Redux to implement the state management across the app

Olympics Historic API | Github | (FastAPI, MySQL, REST, Postman, Python)   **2023**
- RESTful API to deliver extensive information about athletes, countries, participation records using Python
- Engineered and maintained the database infrastructure for the API using MySQL
- Implemented a thorough unit testing protocol with Postman to ensure API achieving 95% code coverage

Code Quality Monitor | Github | (Prometheus, Grafana, Jenkins, Go)   **2023**
- Implemented a robust code quality monitoring using Codacy, reducing the occurrence of bugs by 40%
- Developed custom monitoring solutions with Go and Prometheus, providing real-time insights into code health
- Designed and configured comprehensive dashboards in Grafana to visualize and track code quality metrics

Extra-Curricular
- Indian Student Association: Vice-president of the ISA at UWindsor, led and organized events for Indian students
- Tata Marathon: Raised $10,000 for Concern India Foundation and the education of underprivileged children