BHUMIR PATEL

Software Developer

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EDUCATION

University of Tennessee

B.S Computer Science, Minor in Mathematics and Machine Learning

📅 Jan 2023 - May 2025

📍 Knoxville, TN

🎓 GPA: 3.38/4

SKILLS

- Typescript
- AWS
- Mongodb
- React.js
- React Native
- Vue
- Angular
- Express.js
- Node.js
- Pytorch
- Advance Mathematics
- Postman
- Unity

PROGRAMMING LANGUAGE

- Javascript
- Python
- HTML/CSS
- C++
- C#
- Java
- Kotlin

CAREER OBJECTIVE

Seeking a challenging role as a software developer where I can leverage my technical expertise and innovative problem-solving skills to design, develop, and implement cutting-edge software solutions. Committed to continuous learning and growth in a dynamic, collaborative environment, contributing to the advancement of technology and delivering impactful results

PROJECTS

Personal Website

- Utilized React to craft interactive and efficient user interfaces.
- Implemented custom CSS Grid and Flexbox layouts for a modern and responsive design, ensuring optimal viewing experience across devices.
- Delivered an appealing, user-centric web application showcasing modern front-end development expertise.

Maze Generator and Solver

- Contributed to creating a user interface compatible with Linux and Windows platforms.
- Implemented Prim's Algorithm to generate diverse maze structures, providing varied challenges.
- Integrated Dijkstra's, Depth First Search, and Breath First Search algorithms for maze-solving capabilities.

Sudoku Generator and Solver

- Developed an interactive Pygame application for generating and solving Sudoku puzzles.
- Designed a user-friendly interface to engage players in puzzle-solving activities.
- Implemented algorithms to generate unique puzzles and solve them, showcasing strong problem-solving skills.

Inventory Tracker

- Designed and implemented a robust MongoDB database to store inventory data, ensuring data integrity and scalability.
- Leveraged React.js for the frontend to create a user-friendly interface for inventory management, featuring intuitive navigation and real-time updates.
- Implemented authentication and authorization features using JSON Web Tokens (JWT) for secure access control to sensitive data.

Budget Tracker

- Developed a cross-platform budget tracking application for both web and mobile platforms using React.js and React Native, providing users with seamless access across devices.
- Integrated the Plaid API to connect users' bank accounts and fetch transaction data, enabling real-time tracking and analysis of financial activities.
- Designed and implemented a MongoDB database to store user data and transaction history, ensuring scalability and data integrity.