

BHUMIR PATEL

Software Developer

✉ Bhumir2503@gmail.com
☎ (865) 316 4371
🌐 LinkedIn.com/in/bhumir-patel
🐙 Github.com/Bhumir2503
🌐 Bhumir.com

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
- Vue
- Angular
- Express.js
- Node.js
- Restful API
- Pytorch
- Graph Theory
- Scrum
- Advance Mathematics

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 TypeScript for enhanced type safety and code reliability.
- Employed Bootstrap for a contemporary and mobile-responsive design approach.
- Delivered a visually appealing, user-centric web application showcasing modern front-end development expertise.

Real-Time Chat with Translation

- Developed a real-time chat application using React, Node.js, Express.js, and MongoDB.
- Implemented a translation feature enabling messages to be automatically translated to the recipient's language upon sending.
- Designed and established RESTful API endpoints for message sending, retrieval, storage, and translation handling.
- Implemented user authentication to ensure secure access and association of messages with respective users.

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 Manager

- Designed and implemented a robust MongoDB database to store inventory data efficiently.
- Utilized Express.js and Node.js to create a secure and scalable backend API for data management.