T BHARATHA SIMHA REDDY

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OBJECTIVE

I am a Computer Science Engineering graduate specializing in Artificial Intelligence, with a strong interest in solving real-world problems through technology. I have hands-on experience in Python, JavaScript, SQL, and web development, gained through academic and personal projects where I built applications and analyzed data. I enjoy learning new tools quickly, working in collaborative teams, and contributing fresh ideas. I am eager to begin my career in a forward-thinking organization where I can apply my skills, grow professionally, and add value to meaningful projects.

EDUCATION

Bachelor of Technology (B.Tech.): Parul University
Course: CSE-Artificial Intelligence — CGPA: 7.29/10 — 2021 - 2025

Intermediate Education: Ravindra Junior College — Percentage: 91.9/100 — 2019 - 2021

Secondary Education: Akshara High School — CGPA: 8.7/10 — 2019

SKILLS

Technical Skills: Python, HTML, CSS, JavaScript, DSA, SQL, Machine Learning
Tools and Technologies: GitHub, Numpy, Pandas, Matplotlib, Excel**,** Power BI, GenAI, Django

PROJECTS

Real-time Facial Expression-Based Music and Movie Recommendation System

- **Description:** Designed and developed a real-time facial expression-based music and movie recommendation system using machine learning techniques. The system captures and analyzes user facial expressions to detect emotions and provide personalized media suggestions. Key responsibilities included data preprocessing, training an emotion recognition model, and implementing a recommendation engine that maps emotions to suitable content. Additionally, the system was debugged and optimized to ensure high accuracy and smooth real-time performance, enhancing the overall user experience.

Snake Game

- **Description:** Developed an interactive Snake game using Python and the Pygame library, applying object-oriented programming principles to structure the code efficiently. The game features include collision detection, customizable difficulty levels, and sound effects to enhance user engagement. Emphasis was placed on optimizing the game loop and debugging performance issues to ensure smooth and responsive gameplay.

Full-Stack Authentication & Payment Integration System

- **Description:** Developed a secure full-stack user authentication system using React, Node.js, Express, and MongoDB, with both traditional email/password login and Google OAuth 2.0 via Passport.js. Implemented JWT-based token management for secure user sessions and role access. Integrated Razorpay payment gateway to enable seamless UPI transactions. Ensured smooth user experience with personalized dashboard, real-time welcome messages, and logout functionality. Focused on security, scalability, and user experience.

EXTRA-CURRICULAR ACTIVITIES

- Engaged in hackathons, coding competitions, and open-source projects while also volunteering in college events, gaining teamwork, leadership, and problem-solving skills.