

Deep Radadiya

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Summary

Software Developer with expertise in AI and Machine Learning. Experienced in building scalable applications and integrating intelligent systems using Python, JavaScript, and cloud technologies. Skilled in applying ML models for real-world solutions.

Education

- **Vellore Institute of Technology** | B. Tech - Computer Science Engineering 2021 - 2025
- **Modi School- Rajkot** | Higher Secondary Education 2019 - 2021

Work Experience

FutureStack Solution | Full stack web developer Oct 2023 - Feb 2025

- Worked as a Full Stack Developer, contributing to projects like BitMEX Crypto Exchange API Integration and a custom Data Analysis Tool using Node.js, Express, and SQL. Developed interactive front-end interfaces with HTML5, CSS3, and Bootstrap, and implemented RESTful APIs for seamless backend communication. Ensured scalable and responsive web applications with cross-browser compatibility and clean, maintainable code.

Projects

CubeQuest | HTML, CSS, JavaScript [GitHub](#) | [Demo](#)

- An engaging and innovative puzzle-solving game that brings the iconic Rubik's Cube experience to life in a digital format. Designed to challenge logic, spatial reasoning, and problem-solving skills, the game caters to players of all skill levels with its realistic mechanics and interactive features.
- Realistic 3D Simulation: Immersive cube rotation and manipulation with smooth, responsive controls.
- Customizable Experience: Offers various cube themes, colors, and sizes for personalized gameplay.
- Educational Value: Encourages logical thinking and pattern recognition, making it both entertaining and mentally stimulating.

Express-News | HTML, CSS, JavaScript, API [GitHub](#)

- Developed and deployed a responsive and interactive web application for real-time news and weather updates.
- Integrated third-party APIs: NewsAPI.org to fetch latest headlines by category, and OpenWeatherMap.org to display current weather by location.
- Designed a user-friendly interface with modern CSS and JavaScript animations to boost visual appeal and engagement. Implemented asynchronous data fetching using API and dynamic DOM manipulation for seamless user interaction.
- Enabled location-based weather reporting using browser geolocation services. Optimized site performance through lazy loading and efficient API call management. Ensured cross-browser compatibility and mobile responsiveness across devices.

Cancer-Prediction | Python, OpenCV, Keras, TensorFlow [GitHub](#)

- Designed and implemented a CNN model to accurately classify benign vs. malignant skin cancer images. Preprocessed image datasets using OpenCV for resizing, normalization, and augmentation to improve model generalization.
- Achieved significant performance gains - 64% faster inference compared to traditional fully connected neural networks. Utilized Keras with TensorFlow backend to build, train, and evaluate the deep learning architecture.

Flower-Detection | Python, OpenCV, Keras, and Scikit-learn. [GitHub](#)

- Developed a CNN model for flower species classification using Keras with TensorFlow backend, optimized with OpenCV preprocessing (resizing, normalization, augmentation). Achieved improved speed and accuracy over traditional fully connected networks. Utilized Scikit-learn for evaluation and visualization.

Skills

Languages: C++, Python

Web Technologies: HTML, CSS, JavaScript, Bootstrap, Express.js, Node.js, React.js, Rest API

Cloud Technologies: AWS

Database Technologies: SQL, MySQL, PostgreSQL

Technologies & Tools: Blockchain and DeFi, Machine learning, Automation, Docker, Git

Certificates

[Full Stack Web Development](#), [AWS Cloud Practitioner](#), [Excellence in C++](#), [Excellence in DSA](#)