

Rishabh Gupta

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Professional Summary

A proactive and skilled B.Tech CSE Core student at VIT Bhopal with expertise in Web development, Machine Learning and Android development. Successfully designed and programmed various projects, applying technical expertise effectively. Avid competitive programmer with a strong track record on many platforms. Specialized in solving complex CTF challenges and committed to continually upgrading programming skills. Eager to contribute innovative solutions in dynamic and collaborative environments..

Education

Vellore Institute of Technology Bhopal | 2022 - 2026

Btech Computer Science and Engineering

Vishnu Bhagwan Public School | 2019 - 2022

High School and Inter College

Projects and labs Experience

Celestial Face : A Facial Recognition Attendance System

- Made a web application utilizing machine learning for facial recognition and attendance marking.
- Implemented efficient face storage and retrieval system, ensuring accurate and reliable attendance tracking..
- Designed a user-friendly interface for seamless interaction and ease of use in diverse environments.
- Optimized the application for real-time processing, allowing for swift and automated attendance marking.

Polyp Detection AI

- Developed a Polyp Detection AI utilizing semantic segmentation techniques to accurately identify and classify polyps in medical imaging.
- Engineered a deep learning model for precise segmentation of polyps, improving diagnostic accuracy in gastrointestinal endoscopy.
- Implemented data preprocessing and augmentation strategies to enhance model performance on varied datasets.

Independent Projects

- Developed a series of Python projects including a Personal Finance Tracker, TicTacToe games, Memory games, Management Systems and Automated scripts to do daily tasks increase efficiency and productivity. Implemented various algorithms and logic to solve specific problems, demonstrating proficiency in Python programming.
- Developed several JavaScript projects including an interactive Quiz Game, a real-time Weather App with API integration, a customizable Random Password Generator, and a Memory Game with score tracking and animations. These projects showcase skills in game development, API integration, and user interface design.

Skills

- **Programming languages:** C, C++ , Java, JavaScript, Python
- **Machine Learning and Data Science Libraries:** TensorFlow, Pytorch, Scikit-learn, Scipy, Keras, Numpy, Pandas, Matplotlib
- **Frameworks:** Anaconda, Django, Flask, Flutter, NodeJs, React, ExpressJs
- **Database:** MySQL, MongoDB, Postgres, SQLite
- **Problem Solving Skills**
- **Operating Systems:** Windows, Kali-Linux, Android, MacOS