Yajuvendrasinh Chudasama

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Education

VIT Bhopal University VIT, Bhopal
B.Tech in Computer Science | CGPA: 8.23 *Jun 2022 – Jun 2026*

Technical Skills

Programming Languages: Python, C++, C

Web Development: HTML5, CSS, JavaScript, Express, Node.js, MySQL, MongoDB, Bootstrap, APIs, Postman

Tools & Platforms: Jupyter, Git, VS Code, Visual Studio, MongoDB Compass, Meta Mask

Version Control: Git, GitHub

Soft Skills: Led cross-functional teams, met tight project deadlines, and effectively communicated complex technical concepts.

Work Experience

Project Group Lead VIT Bhopal
Sep2023 - Feb2025

- Led a team of 10 to develop a ML model that reduced misclassification rates by 15% and advanced diagnostic efficiency.
- Augmented project delivery by 20% through efficient team coordination, sprint planning, and task automation.
- Reduced model training time by 30% by optimizing data pipeline and feature selection, enhancing deployment efficiency.
- Increased dataset processing speed by 40% by leveraging parallel computing and batch processing techniques.

Projects

AI-Powered Sentiment Analysis and Tweet Fetching Engine Jan 2025 – Feb 2025
Machine Learning Project
Python, TextBlob, Tweepy, Twitter API v2, NLP, Sentiment Analysis

· Developed an AI sentiment analysis engine using Python, Tweepy, and TextBlob, processing 10K+ tweets.
· Integrated Twitter API to fetch tweets in real-time, reducing data collection time by 40%.
· Improved sentiment accuracy from 50% to 60% using polarity scoring and preprocessing.
· Built CLI tool for sentiment monitoring, increasing analysis efficiency by 35%.

AI-Powered Breast Cancer Detection Using Support Vector Machine (SVM) Jan 2023 - Jan 2023
Machine Learning Project
Scikit-learn, Normalization, Model Optimization

· Developed SVM-based breast cancer model with 97% accuracy on Wisconsin Dataset.
· Applied normalization and scaling, reducing processing time by 25%.
· Optimized hyperparameters (C, Gamma), raising accuracy from 96% to 97%.
· Built testing framework using cross-validation and F1-score metrics.

Certifications

- Practice Predictive Analysis, Build an AI Powered Breast Cancer Detection Engine - FutureSkills Prime Virtual Lab Course
- Google: The Bits and Bytes of Computer Networking - Coursera
- IIT, Kharagpur Cloud Computing - NPTEL
- Intro to Machine Learning - Kaggle
- Intermediate Machine Learning - Kaggle