VIRENDRA CHAUDHARY

GitHub **|** LinkedIn **|** Portfolio | Gmail **|** phone: +919636420344

PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer Science undergraduate with hands-on experience in web development, machine learning, and cloud computing. Proven ability to build full-stack applications, deploy ML models, and solve real-world problems. Skilled in collaborating with startups and delivering high-impact features under tight deadlines.

EDUCATION

VIT BHOPAL UNIVERSITY   Bhopal, MP

B.TECH (SCHOOL OF COMPUTER SCIENCE AND ENGINEERING)   2022-2026

CGPA: 7.82

St. Paul senior secondary school (Class 12th)   Sikar, Rajasthan

STUDIED 12TH IN RBSE WITH PERCENTAGE (**93.2%**)   2020-2021

Yash public senior secondary school (Class 10th)   Ranoli, Rajasthan

STUDIED 10TH IN RBSE WITH PERCENTAGE (**83.17%**)   2018-2019

PROJECTS

1. **Lung Cancer Detection Using Machine Learning**   GitHub
    Developed a machine learning model to predict lung cancer presence based on patient data. The project includes data pre-processing, model training, evaluation, and deployment using Streamlit for an interactive user interface.
2. **Social Media Sentiment Analysis Using Machine Learning**
    Designed a sentiment classification pipeline using **1.6M+ tweets** from the **Sentiment140 dataset**.
    Applied NLP techniques such as tokenization, TF-IDF vectorization, and stopword removal.
    Trained and evaluated classification models like Logistic Regression and Naive Bayes for sentiment detection.   GitHub
    Visualized sentiment trends and model performance using **Matplotlib**.
3. **AG-Based Code Explainer Platform**
    Implemented Retrieval-Augmented Generation to answer user queries about uploaded codebases, using Sentence Transformer Chroma DB and Gemini API (Gemini flash2.0).   GitHub

Technical Skills

Programming Languages: C++, Python, Java   GeekforGeeks, Leetcode, Codeforces
Web Development: React.js, Django, Flask, FastAPI, Streamlit, Spring Boot, Servlets, HTML, CSS
Databases: MongoDB, MySQL, ChromaDB
Machine Learning: Linear/Logistic Regression, Decision Trees, Random Forest, KNN, PCA, Clustering, SVM, Scikit-learn, Pandas, NumPy
Deep Learning: TensorFlow, Keras,Neural networks, Sentence Transformers
Cloud & DevOps: AWS (EC2, S3, IAM, VPC, API Gateway), GitHub Actions, Apache2
Tools: Git, GitHub, Postman, Jupyter, VSCode, Colab

Certifications & Key Courses

- **Cloud Computing** – NPTEL (IIT-led MOOC)
- **Bits and Bytes of Computer Networking** – Coursera (offered by Google)   Bits-and-Bytes
- **Machine Learning Specialization** – Coursera (by Andrew Ng, Stanford University)   ML-specialization
- **Blockachain Developer** – IBM   Blockchain-dev

Extracurricular Activities

- Freelance Web Developer – SwiftRentalz (Remote) **:** Developed and deployed a full-stack car rental web platform using **MERN Stack** (MongoDB, Express, React, Node.js), Built user authentication, role-based dashboard.
- Participant – SECVIT 2024: Ranked top 20%.
- Volunteer Patriotic Reserve Force(VPRF) Profile