UDITYA NARAYAN TIWARI

Jaunpur, Uttar Pradesh

 LinkedIn   GitHub   LeetCode

EDUCATION

VIT Bhopal University, Kothrikalan — 2023 – Present
*B.Tech - Computer Science Engineering with AI & ML - **CGPA: 9.08*** — *VIT Bhopal University*

RHS Inter College Singramau, Badlapur, U.P — 2022
*XII (State Board) - **Percentage: 70%*** — *Badlapur, Uttar Pradesh*

SLBM Purvanchal H S S Badlapur, Jaunpur, U.P — 2020
*X (State Board) - **Percentage: 77%*** — *Jaunpur, Uttar Pradesh*

EXPERIENCE

Core Member, Blockchain Club — August 2024 - Present
Role: Member of R&D Team — *VIT Bhopal University*

- Working on Blockchain-based KYC verification system and smart contracts. Research and development in blockchain technologies and decentralized applications.

Technical Member, Microsoft Learn Student Chapter — April 2025 - Present
Role: Tech Team Member — *VIT Bhopal University*

- Leading technical initiatives with Microsoft technologies including Azure cloud services, Organizing workshops and mentoring students in Microsoft technology stack.

PROJECTS

Weather Forecasting Web App | Python — April 2024

- Developed a web application that provides real-time weather forecasts using responsive design and integrated APIs. Implemented features for location input, display of current and future weather, and forecast visualization to enhance user experience.

Breast Cancer Prediction using ML Models | Python, Jupyter Notebook — September 2024

- Built a compact machine learning project to predict breast cancer diagnosis using UCI data. Compared multiple models (Logistic Regression, Decision Tree, Random Forest, SVM, k-NN) for classifying tumors. Random Forest achieved highest accuracy and ROC-AUC.

Prediction of Disease based on Emg Signals Using CNN | Jupyter Notebook, VS Code — March 2025

- Designed and implemented a deep learning model using 1D Convolutional Neural Networks to classify neuromuscular conditions (Myopathy, Neuropathy, Healthy) from raw EMG signals. Handled end-to-end data processing from .dat and .hea files, performed signal visualization, model training, and performance evaluation using accuracy metrics and confusion matrix. Achieved high classification accuracy.

Credit Card Approval Prediction Using ML Model | Jupyter Notebook, VS Code — June 2025

- Developed a machine learning web app to predict credit card approval using user financial data. Implemented data preprocessing, trained Random Forest and other classification models, and deployed real-time predictions with a Flask interface. Evaluated model performance using accuracy and F1 score.

TECHNICAL SKILLS

Languages: Python, C++, Java, C, SQL
Technologies/Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Data Preprocessing, ML Model Evaluation, OOP, Algorithms & Data Structures
Developer Tools: VS Code, PyCharm, IntelliJ, Canva, Kaggle
Soft Skills: Leadership, Teamwork and Collaboration, Communication, Problem-Solving, Time Management, Multitasking

ACHIEVEMENTS / CERTIFICATES

- Geodata Processing using Python (IIRS, ISRO) - Feb 2024
- AI/ML For Geodata Analysis Indian Institute of Remote Sensing (IIRS), ISRO - Sep 2024
- IU Indianapolis Insights on Computational Data Science (IU Indianapolis) - Nov 2024
- Final Round Qualifier, VIT Bhopal x Johns Hopkins University International Hackathon - Jan 2025
- First prize winner in VIT Bhopal University Hackathon - Feb 2025