Registration Number – **22BCY10154**

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Leet Code
LinkedIn
GitHub

Saurabh Yadav

Technical Skills: Machine Learning (3/5), Deep Learning (3/5), C++ (3/5), Python (2/5), PyTorch (3/5), Convolutional Neural Network (CNN) (3/5)

Certification:

- **IBM GenAI Certificate**
- **PyTorch Certificate by OpenCV University**

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)Cyber	2022 –2026	VIT Bhopal University	8.14/10
Class XII	2021 - 2022	St. Fidelis School, Aligarh	64.4%
Class X	2019 - 2020	St. Fidelis School, Aligarh	80.3%

PROJECTS

Employee-Performance-Prediction	*Productivity Prediction Web App* | *GitHub: [link-to-repo]* | *May 2025 – Present* • Developed a machine learning web app to predict garment worker productivity using Random Forest and XGBoost, achieving ~50% accuracy with Python, Scikit-learn, and Pandas; deployed via GitHub on Render. • Engineered 14 features from a garment productivity dataset, including categorical encoding of quarter and department, and imputed missing WIP values to enhance model performance using Pandas. • Trained and evaluated Random Forest and XGBoost models on a dataset of 1197 records, optimizing for actual productivity prediction with Scikit-learn and hyperparameter tuning. • Implemented data preprocessing pipelines to handle categorical (e.g., day, team) and numerical features (e.g., SMV, overtime) using Pandas and NumPy, improving model robustness. • Designed a dual-model prediction system comparing Random Forest and XGBoost outputs, enabling users to input features like targeted productivity and no_of_workers for real-time insights. • Utilized GitHub for version control and deployment, ensuring seamless integration of ML models (rf_model.sav, xgb_model.sav) with a web interface for accessibility.

EXPERIENCE

Unified Mentor	▪ **Remote Machine Learning Intern (September 24 – October 24)** - Collaborated on innovative projects in the field of Machine Learning, contributing to the development and optimization of algorithms for ML-applications. - Designed and implemented an Animal Image Classification system and Forest Cover Type Prediction using different ML models in Google Colab notebook. - Conducted data analysis and visualization to derive insights from complex datasets, aiding in decision-making processes for project strategies. - Gained hands-on experience with various ML frameworks and tools, enhancing skills in Python, SVM, and image classification techniques.

CO-CURRICULAR

Coding	▪ **Leet Code** – 40+ Questions solved | **Hacker Rank** – 4 Star in C++
Patent	▪ Indian Patent granted for an innovative evaporative air conditioner design**.**

ADDITIONAL INFORMATION

Languages	▪ English, Hindi