# Divyansh Dahikar

[phone] [Gmail] [LinkedIn] [GitHub]

Passionate and dedicated BCA Computer Science student, currently in my third year, seeking a data science and machine learning internship to apply my academic knowledge, analytical skills, and growing expertise in real-world projects. I am excited to contribute to innovative teams, gain hands-on experience, and build a strong foundation for a future career in data-driven technologies.

## SKILLS

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| **Languages** | Python, SQL. |
| **Tools** | NumPy, Pandas, Matplotlib, Seaborn, Plotly, Scikit-learn, TextBlob, re (Regular Expressions), VaderSentiment, Pytesseract, OpenCV, TensorFlow, Keras, Power BI, Jupyter Notebook, Excel, GitHub. |
| **Data Skills** | **Primary:** Data Analysis, Exploratory Data Analysis (EDA), Data Preprocessing, Feature Engineering, Supervised and Unsupervised Machine Learning, Deep Learning, Neural Networks, Model Evaluation, Data Visualization.<br>**Secondary:** Statistical Analysis, Natural Language Processing (NLP), Computer Vision, Optical Character Recognition (OCR), Sentiment Analysis, Data Structures and Algorithms(Beginner). |

## PROJECTS

**Credit Card Fraud Detection [GitHub]**
*Machine Learning*
- Built a fraud detection model on imbalanced data using SMOTE and undersampling.
- Applied classification algorithms with cross-validation to improve accuracy.
- Analyzed transaction patterns to identify fraud indicators.

**Customer Churn Prediction [GitHub]**
*Machine Learning*
- Developed a churn prediction system using Random Forest and Logistic Regression.
- Performed EDA and feature engineering (tenure binning, service count).
- Optimized model with hyperparameter tuning and stratified k-fold validation.

**Trump vs. Biden Tweet Sentiment Analysis [GitHub]**
*Natural Language Processing*
- Collected and cleaned Twitter data from the 2020 US Elections.
- Implemented sentiment analysis with VADER and TextBlob.
- Visualized insights with word clouds and charts to compare trends.

## EDUCATION

**Bachelor of Computer Application (BCA)**                                        June 2026(Expected).

**Relevant Coursework:** Data Science, Machine Learning, Database Management Systems, Optimization Techniques, E-Commerce.

## COURSES

**Python for Data Science and Machine Learning Bootcamp**
- Gained hands-on experience with real-world data science projects using Python. Learned and implemented key concepts in supervised and unsupervised learning, model evaluation, NLP with NLTK and TextBlob, and deep learning with TensorFlow and Keras.

**Python 101 for Data Science**
- Completed an introductory course designed to build foundational Python programming skills for data science. Covered key topics including Python syntax, data structures (lists, tuples, dictionaries), functions, file handling, and working with libraries like NumPy and Pandas. Applied concepts through hands-on labs involving data wrangling and basic data analysis.

## ACTIVITIES

**AI/ML Workshop at IIT Kanpur** - Participant and Project Developer                    Summer 2023

- Attended a 7-day workshop on Artificial Intelligence and Machine Learning.
- Built an Arduino-based object detection project that integrates sensors and a trained ML model.

**Financial Analysis Internship, Inspire(NIT BHOPAL)**                              2023 - 2024

- Managed daily and monthly expense records using Microsoft Excel.
- Gained hands-on experience with spreadsheets, data tracking, and basic financial analysis.