

Siddharth Tripathi

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering – CGPA: 9.05

Bhopal, MP

Nov 2022 – Present

A.P Narmada Higher Secondary School (CBSE)

Senior Secondary (12th) – 92.4%

Jabalpur, MP

July 2021

Christ Church Boys' Senior Secondary School (CBSE)

High School (10th) – 92.8%

Jabalpur, India

March 2019

TECHNICAL SKILLS

Languages: Python, C++

Frameworks/Libraries: TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, SciPy, Plotly

Tools & Platforms: AWS, Power BI

Databases: MySQL

PROJECTS

Stock Price Prediction | Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, XGBoost

- Built a stock market prediction classification model using multiple machine learning algorithms (Logistic Regression, SVM, XGBoost) to generate buy/sell trading signals.
- Performed comprehensive feature engineering and exploratory data analysis on 8 years of Tesla stock data, creating technical indicators and date-based features.
- Implemented data preprocessing, normalization, and model evaluation using ROC-AUC metrics, achieving insights into the challenges of financial market prediction.

Inventory & Supply Chain Analysis | Power BI, Power Query, DAX, Excel/CSV

- Developed an end-to-end interactive Power BI dashboard for inventory and supply chain analysis, enabling real-time tracking of stock levels, demand forecasting, and supplier performance.
- Utilized Power Query for data cleaning and transformation, along with advanced DAX calculations to create actionable business insights and key performance indicators (KPIs).
- Designed executive-level visuals and applied storytelling techniques to effectively communicate supply chain efficiency and logistics optimization to stakeholders.

Cricket Data Insights: Web Scraping to Dashboard | Python, Power Query, DAX, Bright Data

- Collected cricket match and player data by web scraping ESPN Cricinfo using automated tools.
- Performed extensive data cleaning, transformation, and consolidation in Python with Pandas to convert raw JSON data into structured CSV files for analysis.
- Developed a comprehensive Power BI dashboard featuring interactive visuals and calculated metrics to analyze player performances and match outcomes for informed cricket insights.

CERTIFICATIONS

Supervised Machine Learning: Regression and Classification – Deeplearning.AI

Sept 2024

EXTRA-CURRICULARS AND ACHIEVEMENTS

FlipKart Grid 7.0

Reached the semifinals in FlipKart Grid 7.0, a prestigious national-level technology hackathon.

July 2025

President, NULL VIT Bhopal Student Chapter

Coordinated SECVIT 24, a national-level cybersecurity event with 1,200+ participants

Jun 2024 – Present

VIT Bhopal University

Coordinator, Cultural and Sports Events (Advitya 2024)

Planned and executed campus-wide cultural and sports events at university level

Feb 2024

VIT Bhopal University