Varun Kumar Sinha

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PROFILE

Enthusiastic and detail-oriented aspiring Data Scientist with hands-on experience in machine learning, statistical analysis, and data visualization using Python, Pandas, and Scikit-learn. Proficient in building and deploying models using Docker and AWS, and in developing APIs with FastAPI and Flask. Familiar with NLP techniques, Power BI, and end-to-end data solutions through academic projects and self-driven initiatives.

EDUCATION

Delhi Skill and Entrepreneurship University	*Dehli, India*
Bachelor in Computer Application	2022 – 2025

- Among the top 5% of the batch
- Relevant coursework in Data Science, ML.

Vivekananda Vidya Mandir	*Ranch*i, India
Intermediate	2020-2022

- Relevant coursework in Python

SKILLS

Technical: SQL, Python, Statistics, Machine Learning, NLP, DL

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, EDA

Deployment & Tools: Flask, FastAPI, Docker, AWS, CI/CD, Git, GitHub

CERTIFICATIONS

- Sql Advanced Certificate, HackerRank - July'25 ([link](#))
- Deep Learning for Developers - June'25
- Introduction to Data Science, Infosys Springboard – May'25
- Google Data Cleaning, Coursera – Nov'22 *([link](#))*

PROJECTS

ML-Project: Student Math Marks Predictor ([link](#))   06/2024 – 08/2024

- Developed an end-to-end ML pipeline to predict students' math marks using multiple input features with **Linear Regression**.
- Integrated **CI/CD pipelines** using **GitHub Actions**, automated testing and deployment, and containerized the application using **Docker**.
- Deployed the model on **AWS EC2**, enabling real-time predictions via a **Flask** API.

Tools/Technologies: Python, Pandas, scikit-learn, Flask, Docker, GitHub Actions, AWS EC2, AWS ECR

Swiggy Data Analysis Dashboard ([link](#))   03/2024 – 04/2024

- Designed an **interactive IPL performance dashboard** using **Tableau**, showcasing team-wise and player-wise analytics including toss decisions, runs, wickets, and match outcomes.eveloped an **interactive Power BI dashboard** to analyze restaurant distribution, pricing patterns, and food preferences across Indian cities.
- Visualized metrics including **average rating**, **price**, **delivery time**, and **top food types** using pie charts, bar graphs, slicers, and maps

Tools/Technologies: Power BI,Data Cleaning (Excel/CSV), Swiggy Dataset

IPL Analysis Dashboard ([link](#))   01/2024 – 02/2024

- Designed an **interactive IPL performance dashboard** using **Tableau**, showcasing team-wise and player-wise analytics including toss decisions, runs, wickets, and match outcomes.
- Incorporated dynamic filters for season selection, match stats, and player achievements (Orange Cap, Purple Cap, etc.) for real-time exploration.

Tools/Technologies: Tableau, Data Cleaning (Excel/CSV), IPL Dataset