Parth Sharma

Data Science | Machine Learning | Software Engineering
Phone: 9797920633 | **Email:** parthsadotra33@gmail.com
LinkedIn: linkedin.com/in/parth-sharma-874226252/ | **GitHub:** github.com/KingParth904

OBJECTIVE

A **Computer Science and Engineering** student with a strong foundation in **data science**, **machine learning**, and **software engineering**. Proficient in Python, SQL, and a range of data analysis tools.

EDUCATION

Thapar Institute of Engineering and Technology
Bachelor of Engineering (B.E.) in Computer Science and Engineering
July 2021 - July 2025 | CGPA: 8.07/10.00

St. Soldiers Mohali
Intermediate | Percentage: 87.8% | Completed: 2021

Army Public School, Udhampur
Matriculation | Percentage: 94% | Completed: 2019

SKILLS

Programming Languages: Python, C/C++, R, HTML/CSS, SQL
Data Science Tools: Pandas, NumPy, Scikit-Learn, TensorFlow, TPOT, Power BI, Tableau, matplotlib
Developer Tools: Git, VS Code, MATLAB, VirtualBox, Stream lit, Dockers, Flask, MYSQL
Cloud & Others: Amazon Web Services (AWS), Google Analytics, Azure
Core Competencies: Data Structures, Operating Systems, Communication & Collaboration Skills, DBMS, Effective Team Player

Projects

Sales Insights Dashboard
Tools Used: Power BI, MySQL, Python

- Cleaned and analysed a dataset with 10,000+ rows of company sales data from 2020.
- Created advanced visual dashboards using **Power BI**, providing actionable insights into sales performance.
- Executed **SQL** queries to discover trends and identify opportunities for sales optimization.

ISL Academy (Indian Sign Language Learning Platform) (Ongoing)
Tools Used: Mediapipe, OpenCV, Python

- Collaborated with a team to develop a web app teaching local sign language using hand gesture recognition.
- Implemented hand gesture detection models and trained multiple images using **Mediapipe** and **OpenCV**.

IPL Score Predictor
Tools Used: Python, Random Forest, Lasso Regression, TPOT

- Analysed a dataset of 75,000+ rows to predict IPL match scores.
- Implemented **Random Forest and Lasso Regression** models to assess score trends.
- Optimized prediction performance using TPOT for automated machine learning pipeline selection, achieving an R^2 .

Score Prediction Application (End to End)
Tools Used: Python, CI/CD Pipelines, Random Forest, Lasso Regression, Flask, Dockers

- Developed an end-to-end score prediction application and containerized the project using **Docker** for seamless deployment.
- Applied feature engineering techniques, including **data encoding**, to preprocess the dataset for optimal model performance.
- Implemented machine learning models such as **Random Forest** and **Decision Trees**, achieving an **R^2 score of 87%.**
- Utilized **modular coding and structured project pipelines**, simulating real-world scenarios and improving project scalability and continuous deployments in GitHub.

Certifications

- **Data Analytics Job Simulation** – Forage & Quantium (Sept 2024)
  - Completed tasks in data preparation, customer analytics, experimentation, uplift testing, and commercial analytics.
- Advanced Computer Vision using TensorFlow – Coursera
- R Programming – Coursera
- Data Visualization with ggplot2 – Coursera
- Amazon Web Services (AWS) Certified – Credly