

Karandeep Singh

Mohali,Punjab | 9872077144 | [LinkedIn](#) | [Github](#) | [Portfolio](#)



EDUCATION

Chandigarh Engineering College

Landran,Mohali

Bachelor in Information Technology (BTech)

Aug 2021 - June 2025

- Cumulative GPA : 7.7/10
- Relevant Coursework : Machine Learning, Data Science, Statistics, OOPS, DSA, Software Engineering, Probability and Discrete Mathematics.Nptel - Introduction to Data Science.

INTERNSHIP & TRAINING

Data Analyst

Internship (ICS Group)

Chandigarh

Jan - May 2025

- **SQL Data Analysis & Optimization** – Executed complex SQL queries to extract insights from large datasets, optimized query performance, and applied advanced functions like CTEs, window functions, and joins for efficient data processing.
- **Data Visualization & BI Tools** – Designed interactive dashboards using Power BI to track key metrics, analyze trends, and present actionable insights, leveraging DAX calculations and advanced visualization techniques.
- **Data Cleaning & ETL Processes** – Performed data wrangling using Python (Pandas, NumPy) and SQL, automated data cleaning workflows, and contributed to ETL pipeline optimization for structured data analysis.

Chandigarh Engineering College

Python Training (ICS Group)

Landran,Mohali

July 2023

- Employed Python for machine learning model training, leveraging libraries such as TensorFlow and PyTorch to implement deep learning architectures and optimize model performance.
- Utilized NumPy and Pandas for data preprocessing, feature engineering, and manipulation tasks, ensuring the input data is appropriately structured for effective model training.

SKILLS & INTERESTS

- **Programming Languages:** Python, R, C, C++, JavaScript, HTML, CSS , SQL, SAS.
- **Big Data & Machine Learning:** Spark, Hadoop,Python (eg. scikit-learn, numpy, pandas, matplotlib,seaborn).
- **Data Science & Miscellaneous Technologies:** A/B testing, ETL, Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Time series, Hypothesis testing, APIs, Excel, Tableau, PowerBI,Jupyter Notebooks, Google Sheets.

PROJECTS

Apple Sales & Warranty Analysis:

[LINK](#)

- Analyzed **1M+ records** across sales, products, stores, and warranty claims using **advanced SQL queries**, uncovering key insights to drive business decisions. Identified **top-performing stores** and pinpointed **least-selling products**, enabling **targeted sales strategies**.
- Discovered a **15% increase in warranty claims** for specific product categories, helping refine **pricing and quality control**. Optimized **inventory planning** by analyzing **seasonal sales trends**.
- Utilized **SQL (PostgreSQL/MySQL)** and **Python (Pandas, Matplotlib)** to deliver actionable insights, improving **sales forecasting**, **product reliability**, and **customer retention strategies**.

Ola Rides Data Analysis Report:

[LINK](#)

- Analyzed **100K+ ride records** to uncover insights into **revenue trends**, **cancellation rates**, **customer ratings**, and **driver performance** using **SQL and Power BI**.
- Identified a **20% higher cancellation rate** in specific regions, enabling **targeted driver allocation strategies**. Discovered peak demand hours, optimizing **ride availability and reducing wait times by 15%**.
- Built an **interactive Power BI dashboard**, providing real-time insights into **ride trends**, **user satisfaction**, and **operational bottlenecks**. Findings helped improve **driver utilization**, **customer experience**, supporting **data-driven decision-making for business growth**.

Indian Bikes Market Analysis:

[LINK](#)

- Analyzed **Indian bike market trends** using **SQL**, uncovering insights into **sales patterns, pricing strategies, and customer preferences**. Identified the **top-selling bike models and brands**, helping optimize **inventory and marketing efforts**.
- Examined **regional demand variations**, enabling better **supply chain distribution**. Analyzed **price-performance relationships**, highlighting **affordability trends and consumer buying behavior**.
- Provided data-driven recommendations for **market positioning, competitive analysis, and sales strategy refinement**, supporting **business growth and decision-making in the two-wheeler industry**.

Electoral Bonds Scam Interactive Data Visualizer:

[LINK](#)

- Developed an **interactive data visualizer** using **Streamlit, Python (Pandas, Matplotlib, Seaborn), and SQL**, enabling real-time analysis of **electoral bond transactions, donor patterns, and political funding trends**.
- Designed an **intuitive dashboard** with **filterable insights, trend analysis, and data storytelling**, enhancing transparency in campaign financing. Optimized data processing for **large datasets**, ensuring smooth and dynamic visualization updates.
- This project demonstrates expertise in **data analytics, visualization, and web app deployment**, showcasing how interactive tools can drive **data-driven decision-making in governance, policy analysis, and financial auditing**.

Video Editor Portfolio Website:

[LINK](#)

- Designed and developed a **React-based portfolio website** for a professional video editor, featuring a dynamic project showcase with seamless video playback.
 - Built with a **modern, responsive UI** using **React and Tailwind CSS**, ensuring cross-device compatibility and an engaging user experience.
 - Optimized for **fast performance** with a clean, intuitive design, this project demonstrates my expertise in **front-end development, UI/UX design, and building scalable web applications**.
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