

ISHANSH MAURYA

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EDUCATION

Integrated Master of Technology

Vellore Institute of Technology

2022 – 2027

CGPA : 8.53/10

EXPERIENCE

Data Analyst Intern

Inkgraph Techno Pvt. Ltd.

Oct 2025 – Dec 2025

- Engineered automated **Python-based data validation frameworks** and ETL pipelines to cleanse 50,000+ records, integrating **unit testing** to ensure data integrity and reducing processing time by **40%**.
- Designed and deployed **interactive Tableau dashboards** using complex calculated fields and parameters, migrating legacy reports to provide stakeholders with real-time, high-fidelity performance metrics.
- Developed **automated Python scripts** for outlier detection and trend analysis, streamlining the reporting lifecycle and increasing data accuracy by **25%** through continuous integration of new data sources.
- Optimized SQL queries and database schemas for **Tableau integration**, reducing dashboard load times and enhancing the scalability of client-facing analytics products.

PROJECTS

Customer Segmentation & Demand Forecasting

Tech stack : R, Tidyverse, ggplot2, Hypothesis Testing

- Analyzed a dataset of **1 million+ ride records** to isolate behavioral differences between user segments, applying **correlation analysis**, ANOVA, and T-tests to validate retention hypotheses.
- Uncovered distinct **temporal usage patterns**, identifying a 20% higher weekend usage rate among casual riders to drive a targeted, data-backed membership conversion strategy.
- Generated **5+ executive-level visualizations** using ggplot2, synthesizing complex mobility data into a clear narrative for stakeholder presentation and strategic planning.

Real-Time Face Recognition & Sentiment Analytics

Tech stack : Python, TensorFlow, OpenCV, Firebase, CNN

- Engineered a custom **CNN architecture** using TensorFlow/Keras, implementing robust **data augmentation (rotation, zoom, flip)** to prevent overfitting and achieve **98% validation accuracy**.
- Integrated a multi-class emotion detection system (7 classes) to process live video feeds, utilizing **OpenCV** for image processing and **Firebase** for low-latency real-time syncing.
- Deployed a student engagement dashboard to visualize aggregate emotional trends, providing an early-warning system for academic burnout and actionable stress analysis.

TECHNICAL SKILLS

- Languages & Core** : Java, C/C++, Python (Pandas, NumPy, SciPy), R (Tidyverse), SQL (Advanced), Bash
- Machine Learning** : Keras, Scikit-learn, OpenCV, Supervised, Unsupervised, CNNs
- Visualization & BI** : Tableau, Power BI, Matplotlib, Seaborn, ggplot2, Streamlit
- Tools & Platforms** : Git, Docker, Linux, Google BigQuery, PostgreSQL

CERTIFICATIONS

- Google Advanced Data Analytics Professional Certificate** – Coursera 11/2025
- Machine Learning (ELITE Certification)** – NPTEL 10/2024