Ishansh Maurya

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EDUCATION

Integrated Master of Technology   **2022 – 2027**
VIT Bhopal University, Madhya Pradesh   **CGPA : 8.53/10**

EXPERIENCE

Data Analyst Intern   **Oct 2025 – Dec 2025**
Inkgraph Techno Pvt. Ltd.

- Orchestrated automated ETL pipelines using **Python and SQL window functions** to cleanse 50,000+ raw records, eliminating manual data entry bottlenecks and reducing processing time by **40%**.
- Developed **3 interactive Power BI dashboards** integrating complex **DAX measures and calculated columns**, providing senior leadership with granular visibility into project KPIs to decrease decision latency.
- Spearheaded statistical analysis on diverse client datasets, identifying critical outliers and performance trends that increased reporting accuracy by **25%**, directly optimizing resource allocation.

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** : Python, R, Java, C++, SQL (Advanced), Bash Scripting
- **Machine Learning** : TensorFlow, Keras, Scikit-learn, OpenCV, CNNs, Predictive Modeling
- **Data Manipulation** : Pandas, NumPy, Tidyverse, SciPy, Statsmodels
- **Visualization & BI** : Power BI (DAX), Tableau, ggplot2, Seaborn, Matplotlib, Streamlit
- **Databases & Cloud** : MySQL, PostgreSQL, Google BigQuery, Firebase, Oracle Cloud (OCI), Docker Basics
- **DevOps & Tools** : Git, GitHub, Linux Environments, Jupyter Lab, CI/CD Concepts

CERTIFICATIONS

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