

HARSH PANDEY

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[Email](#) [LinkedIn](#) [GitHub](#)

PROFILE SUMMARY

Aspiring Data Science Engineer with a strong foundation in Python, Deep Learning, and AI-driven applications. Passionate about building impactful, data-driven solutions that solve real-world problems.

EXPERIENCE

Machine Learning Intern

Nov 2022 – Jan 2023

Coincent, Bengaluru

- Engineered a self-driving car simulation using Python and ML frameworks, improving object detection accuracy by 20% with Faster R-CNN and YOLOv5.
- Drove model training and evaluation using deep learning best practices, and integrated the simulation pipeline for smooth deployment and testing.

EDUCATION

B.E. Information Science and Engineering

2021 – 2025

AMC Engineering College — CGPA: 8.50/10

Senior Secondary (XII), Science – Karnataka State Board

2021

MS Ramaiah PU Composite College — Percentage: 87.00%

SKILLS

Programming: Python, SQL, MS Excel

Libraries & Tools: NumPy, Pandas, Scikit-learn, TensorFlow

Data Science: Data Analytics, NLP, Power BI

PROJECTS

Customer Churn Prediction App

Apr 2025

[Project Link](#)

- Designed a churn forecasting engine leveraging XGBoost (97% precision) and SHAP explainability, operationalizing batch inference on 1,000+ customers to deliver traceable business insights and optimize retention efforts.
- Executed unsupervised KMeans clustering to identify behavioral microsegments, catalyzing data-backed customer satisfaction and boosting actionable lifetime value initiatives.

Real-Time Fraud Detection System

Apr 2025

[Project Link](#)

- Directed a high-velocity anomaly detection system using Isolation Forest and Autoencoder models, sustaining 95% fraud identification accuracy over 500+ transactions per minute in live testbeds.
- Engineered a dynamic Streamlit dashboard to map transactional telemetry and flag anomalies within a 2-second latency window, enhancing operational vigilance and user trust.

KPMG Data Analysis with Excel

Jun 2025 – Jul 2025

[Project Link](#)

- Streamlined fragmented datasets across customer, transaction, and demographic channels; engineered enriched segmentation models based on wealth, gender, and sectorial behavior using advanced Excel analytics.
- Uncovered critical revenue patterns and high-value cohorts by triangulating product performance, sales drift, and purchase frequency; computed CLV and revenue projections to guide strategic allocation.

[Project Link](#)

- Transformed and standardized 100K+ airline records using Power Query, improving data quality for analysis and enabling dynamic insights through slicers, relationships, and drill-throughs.
- Developed 5+ Power BI dashboards using DAX to analyze 50K+ passenger bookings, ticket trends, and flight KPIs, boosting reporting speed and stakeholder decision-making by 40

CERTIFICATIONS

- **Complete Data Science Bootcamp 2025** – Udemy (Feb 2025 – Apr 2025)
- **Data Management and Analysis with MS Excel** – Internshala (Jun 2025 – Jul 2025)
- **Data Visualization With Power BI** – Internshala (Jun 2025 – Jul 2025)

ACHIEVEMENTS & ACTIVITIES

- **MongoDB Prize Winner @ NMIT Hackathon:** Built a mental health chatbot app with CBT games and anonymous community.
- **Agentic AI Hackathon Participant:** Developed Android app for visually impaired with voice-activated object detection, OCR, and emergency features.