

# Yash Maheshwari

Pre-Final Year Computer Science Student — Data Science Specialization, Manipal University Jaipur

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## PROFESSIONAL SUMMARY

Pre-final year Computer Science and Engineering student specializing in Data Science, passionate about building intelligent systems using ML, backend, and data technologies. Skilled in **Python, FastAPI, SQL, and ML model deployment**, with hands-on experience integrating AI into production-level applications. Seeking roles in **Software Engineering, AI/ML Development, or Data Engineering**.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, SQL

**Frameworks & Tools:** FastAPI, Supabase, Docker, Git, GitHub, Power BI, VS Code

**ML/Data Stack:** Scikit-learn, TensorFlow, Pandas, NumPy, RAG, LLMs, NLP, Matplotlib

**Soft Skills:** Leadership, Collaboration, Communication, Problem Solving

## PROJECTS

### Wealthify: AI Finance Manager

FastAPI, Supabase, ML — [GitHub](#)

- Built REST APIs and ML models for AI-based budget and expense prediction (**90% accuracy**).
- Optimized Supabase queries to boost sync speed by 35%; modular backend for user-wise analytics.

### ClaimWise: Smart Insurance Assistant

FastAPI, RAG — [GitHub](#)

- Designed an AI assistant for insurance claim resolution using **RAG** and semantic search.
- Reduced response latency by 60% via document indexing and structured FastAPI architecture.

### TradeguardAI: Global Trade Intelligence Platform

FastAPI, LangChain, Next.js — [GitHub](#)

- Developed an LLM-powered trade disruption tracker with real-time news summarization.
- Integrated FastAPI backend with Next.js dashboard for interactive analytics and predictions.

### Formula 1 Race Outcome Prediction

Python, ML — [GitHub](#)

- Predicted driver outcomes using Random Forest; improved RMSE by 12% with feature engineering.

## EXPERIENCE

### General Secretary — IEEE RAS, Manipal University Jaipur

2025–Present

- Led 5+ robotics and AI workshops (300+ attendees); managed events, logistics, and technical mentoring.

### Executive Committee — Marketing, MUJ HackX 3.0

2023–2025

- Managed marketing operations for 36-hour national hackathon (400+ participants); boosted turnout by 40%.

## EDUCATION

### B.Tech in Computer Science and Engineering (Data Science Specialization)

2023–2027

Manipal University Jaipur

**GPA: 7.5 / 10**

**Relevant Coursework:** Machine Learning, Data Structures, Database Management Systems (DBMS), Artificial Intelligence, Cloud Computing, Computer Networks (CN), Object-Oriented Programming Systems (OOPS)

## CERTIFICATIONS

- **Machine Learning Specialization** — DeepLearning.AI & Stanford University (Coursera)
- **Generative AI with Oracle Cloud** — Oracle University
- **Power BI Desktop for Business Intelligence** — Microsoft Learn