

YASH AGGARWAL

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Education

Vellore Institute of Technology, Bhopal Sep 2022 – Jul 2026
B.Tech in Computer Science and Engineering (AI & ML), GPA: 7.9

National Victor Public School, Delhi Apr 2020 – Mar 2022
Higher Secondary School; Percentage: 82%

National Victor Public School, Delhi Apr 2019 – Mar 2020
Secondary School; Percentage: 87%

Technical Skills

Languages: Python, SQL

Libraries & Tools: PyTorch, Pandas, NumPy, Power BI, Tableau

Expertise: Data Science, Machine Learning, Database Management

Projects

RetailWise - Data-Driven Stock Management – Directed the creation of an AI-powered platform for small grocery retailers to enhance operational efficiency. Built real-time data pipelines for sales and inventory tracking, designed optimized database schema, and engineered a custom LLM interface for natural language queries. Enabled route optimization for supply chains reducing delivery time by 15%.

AgriVision - Smart Farm Management System – Led development of a decision-support platform for farmers integrating soil health analysis, crop recommendations, and financial aid guidance. Implemented weather forecasting using external APIs, designed a farmer-friendly dashboard, and coordinated the team through full lifecycle from concept to deployment. .

Water Level Indicator – Developed a computer vision solution for overhead tank monitoring. Collected and annotated 200+ water level images and trained a detection model to classify tank status (Empty, Mid, Full, Overflow). .

Stock Forecast App – Built a stock market forecasting system leveraging LSTM models in PyTorch. Trained on historical time-series data with feature engineering (moving averages, sentiment signals). Achieved over 90% accuracy in trend prediction and developed visualization dashboards in Pandas/Matplotlib.

Posture AI – Designed a real-time human posture correction tool using computer vision. Leveraged Python and OpenCV for body landmark detection with MediaPipe Pose. Integrated feedback loop that provides corrective suggestions for fitness and workplace ergonomics. Tested successfully with 30+ users.

Certifications

Google AI Essentials

IBM GenAI

Oracle Data Science Professional

Advanced Data Science & Market Flow using Python (Finlatics)

Applied Machine Learning (Coursera)

Tata Forage GenAI powered Data Analytics Simulation

Cisco Data Analytics Essentials

Extra-Curriculars

Hostel Committee Member

Core Member, AI Club (Inter-University)