

# AKASH ASHOK RAMANNI

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## EDUCATION

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### **JD College of Engineering and Management, Nagpur**

Bachelor of Technology

*Major in Information Technology*

Cumulative GPA: 8.90

7<sup>th</sup> Semester/Final year student

### **Sandipani School,Dhaba,Nagpur**

12<sup>th</sup>,CBSE

Percentage: 67.2%

Carmel Academy,Waddhamna,Nagpur

10<sup>th</sup>,CBSE

Percentage: 83%

## CERTIFICATIONS & ACHIEVEMENTS

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Currently doing Internship @ DRDO- JODHPUR 6 Months

SUMMER INTERN AT VNIT NAGPUR 2025 in ML/DL SKILLS

The Joy of Computing with Python: NPTEL, IIT MADRAS

Data Base Management System: NPTEL, IIT KHARAGPUR

1st position in Enigma (8-hour Hackathon) at Yeshwantrao Chavan College of Engineering, Nagpur.

## SKILLS

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**Technical skills:** Python (Computer vision and Machine Learning) , Javascript

**Web Development:** React.js, React Query, chakra UI, Node.js, Express, MongoDB, HTML, CSS,Next.js

**Cloud:** Azure cloud technologies, Amazon Web Services (AWS), CI/CD, Docker.

**Databases:** Google Firebase,MongoDB Atlas, MySQL

**Development tools:** Visual Studio Code, Git, Anaconda, Google Colab, Jupyter Lab

Soft Skills: Communication, Leadership, Adaptability

## Project

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### **AI-Powered Stock Market Web App (Next.js, TypeScript, MongoDB)**

Built a real-time stock market platform with interactive charts, watchlists, alerts, and company insights. Implemented authentication (Better Auth), automated email alerts (Nodemailer), and event-driven workflows using Inngest for AI-generated summaries and daily digests. Integrated Finnhub API for real-time market data and built an admin dashboard for managing news, stocks, and user activity.

### **Object and Contour Detection System Application | Machine Learning**

Built an image-processing pipeline to detect objects and extract their outer contours using Otsu/adaptive thresholding, Canny edges, and contour hierarchy analysis. Automated the export of X-Y boundary coordinates to CSV and generated line-profile plots for shape analysis. Designed for aircraft top-view images and generalized object outline detection.

