AKASH ASHOK RAMANNI

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EDUCATION

J D College of Engineering and Management, Nagpur
Bachelor of Technology
Major in **Information Technology**
Cumulative GPA: 8.90 upto 6th sem
Expected Year of Graduation: 2026
7th Semester/Final Year Student

Sandipani School,Dhaba,Nagpur
12th, CBSE
Percentage: 67.2%
Year of passing: 2022

Carmel Academy, Waddhamna, Nagpur
10th, CBSE
Percentage: 83%
Year of passing: 2020

CERTIFICATIONS & ACHIEVEMENTS

Currently doing Internship @ DRDO- JODHPUR 6 Months
SUMMER INTERN AT VNIT NAGPUR 2025 in ML/DL **(**1.5months)
AI-ML VIRTUAL INTERNSHIP : AICTE & Eduskills (8weeks)
The Joy of Computing with Python: NPTEL, IIT MADRAS
Data Base Management System: NPTEL, IIT KHARAGPUR
Object Oriented Programming using Python: Infosys Springboard
1st position in Enigma (8-hour Hackathon) at Yeshwantrao Chavan College of Engineering, Nagpur.
Won and awarded the coding event in TechFest 2025 at JDCOEM, Nagpur.
Technical Operation core at GDSC JDCOEM 2024.

SKILLS

Technical skills: **Python, JavaScript**
Web Development: MERN, MYSQL, Full stack development
Databases: Google Firebase,MongoDB Atlas, MySQL
Development tools: Visual Studio Code, Git, Postman, Anaconda, Google Colab, Jupyter Lab
Concepts & Frameworks: Object oriented Programming, AI , ML/DL working with different algorithms
Soft Skills: Communication, Leadership, Adaptability

PROJECTS

AI-ML Based Real-Time Object Identifier & Reader for Visually Impaired   **github**
Web application to assist visually impaired users with object detection, text recognition, and voice guidance.
- Developed a React.js web app that detects objects in real-time using TensorFlow.js and COCO-SSD.
- Implemented Tesseract.js for OCR to read printed or handwritten text aloud via the Web Speech API.
- Integrated Google Maps API to provide real-time location details to the user.
- Used Groq API to explain detected objects in simple language through voice feedback.
- Designed an accessible, camera-based interface allowing users to interact using only audio responses.

EcoSwap – Web-Based Sustainable Product Exchange Platform   **github**
- Developed a web application to facilitate exchange/donation of used items like clothes, books, and electronics.
- Implemented secure user authentication and login system to protect user data.
- Promoted circular economy by connecting users for sustainable product reuse.
- Enabled product uploads with image previews and advanced search/filtering options.
- Built using HTML, CSS, JavaScript, and PHP for full-stack development.

MedGuard – Web-Based Smart Medicine Reminder
- Designed a health-tech web app that reminds users to take medications on time.
- Enabled scheduling of medication with dosage, frequency, and timing.
- Tracked medicine intake and alerted caregivers if doses were missed.
- Provided real-time notifications and dashboard for user activity.