Aman Raut

Aspiring Data science & Machine Learnining Engineer

My Contact

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Hard Skill

- **Embedded Systems**
- **Real-Time Operating Systems (RTOS)**
- **Machine Learning & Computer Vision**
- **Data Science**
- **Parallel and Distributed Algorithms**
- **Android development using Flutter**
- **IOT (Internet of Things)**

Programming Languages

- **Python**
- **C/C++**
- **Dart**
- **Java**
- **R**
- **Matlab**
- **Lua Language**
- **Octave Programming**
- **CodeChef** ⭐⭐

Soft Skill

- Critical Thinking
- Problem-Solving
- Decision Making
- Communication
- Teamwork
- Multi-tasking

Education Background

- Jeevan Vikas Vidyalaya | Umred
  SSC Science
  Completed in 2019
- St Paul Junior Senior College Science Commerce Arts, Nagpur
  HSC Science | Informatic Practices
  Completed in 2021
- Yeshwantrao Chavan College Of Engineering | Nagpur
  Btech In Artificial Intelligence And Data Science
  2021-2025 | Pursuing

About Me

I'm a data science student who is interested in technology and innovation. Expertise in Machine Learning, Data Science, and Android development with Flutter, as well as Embedded Systems and Real-Time Operating Systems (RTOS).
I'm committed to using data and cutting-edge technology to develop intelligent solutions. I have strong programming and problem-solving skills in Python, C/C++, Dart, Java, R, and Matlab. I'm also intrigued by IoT's potential. I'm eager to contribute to dynamic projects and teams because I'm committed to continuous skill development and making a positive impact through technology.

Professional Experience

Leader Of Team Drushti (Winner of Smart India Hackathon)
2022

Key responsibilities:

- Created a machine learning algorithm for image recognition and its position in relation to the user using QuadTree Algorithm .
- Using embedded programming, I created an on-board real-time alert sending device for distribution calls, complete with live location and alert.
- Managed project timelines and resources, ensuring the timely development of prototypes .
- Guided and mentored team members in researching emerging health technologies and trends.

Solving For INDIA Hackathon by GFG
2022-2023

Key responsibilities:

- Designed a Flutter app for farmers to rent tools and buy fertilizer.
- Integrated IoT devices for real-time farm data.
- Utilized machine learning for plant disease detection and crop suggestions based on weather and relevant factors.

Eyantra Robotics Competition
2021 – 2022

Key responsibilities:

- Implementing Control algorithms like PID & LQR
- Programming Of Microcontroller Boards
- Autonomous Navigation of 2 Wheeled UGV

Learnings

- Robot Simulation (CoppeliaSim)
- Control Systems
- Euler-Lagrange Mechanics

Achievements

25 Aug -29 Aug	Winner Of Smart India Hackathon 2022
31 Apr – May 1	Eyantra Robotics Competition Finalist 2022
May - June 2022	Selected for Zonals of Solving for India Hackathon Organised by GFG
17 - 19 Feb 2022	Winner Of Productathon At IIT Roorkee