Harsh Raj

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Portfolio - https://harshgit1406.github.io/ | github.com/harshgit1406 | leetcode.com/harsh_raj_14/

About Me

Driven and detail-oriented engineering student with a passion for robotics and AI. Experienced in hardware integration, software development, and project management within interdisciplinary teams. Strong problem-solving skills coupled with a proactive approach to learning and innovation.

Education

K.R.Mangalam University, B.Tech in Computer Science(AI/ ML)   Sept 2023 – June 2027
- CGPA: 8.5/10.0 (a link to somewhere)
- **Coursework:** Machine Learning, Deep Learning, Data Structures and Algorithms, Computer Vision, Natural Language Processing

Experience

Conversational AI Engineer | Avosys Technologies   *Jun 2025 – July 2025*
- Developed multilingual conversational AI systems using NLP and LLMs, while leading a five-member team.

Head Coordinator | COERA   *Oct 2024 – Mar 2025*
- Built and guided 20+ robotics and automation projects, and organized technical events with 1,000+ participants.

Web Developer | Mirai Info Serve LLP.   *Aug 2024*
- Designed and built a modern website UI and frontend.

NLP Engineer | Indian Institute of Technology-Mandi   *Jun 2024 – Jul 2024*
- Worked on bilingual (Hindi & English) voice cloning and text-to-speech systems, collaborating with professors and PhD scholars.

Senior Coordinator | Mediaverse   *Mar 2024 – May 2024*
- Responsible for hosting multiple workshops and webinars, organizing esports events, and leading teams to ensure smooth planning and execution.

Lead Engineer & Product Architect | EWT (DAS Dept.)   *Dec 2023 – April 2024*
- Responsible for hosting multiple workshops and webinars, organizing esports events, and leading teams to ensure smooth planning and execution.

Achievements

- **DeepData Hack 2.0 (1st Prize):** Built ML Model (99.76% Acc.) along with Web-Page on Grid-Deviation-Prediction.
- **National Technology Day 2025 (1st Prize):** AI-powered solution addressing a key UN Sustainable Development Goal (SDG).
- **Geekathon (1st Prize):** Built an advanced finance management app with AI-powered financial insights.
- **Shark Tank for Teens (1st Prize):** 1st Position (National level) by Orphicy[cite: 35].
- **HackKRMU 3.0 (2nd Prize):** Developed an innovative drone automation and safety solution.
- **Best Project Award 2025 (2nd Prize):** Developed an AI-powered assistant that integrates real-time voice talk.
- **Mindbenders 3.0 (Consolation Prize):** Developed a groundbreaking agriculture rover with ML and Camera Vision.
- **Art & Academic:** Top 100 in International Dhauli Art Festival; IMO School-level winner.

Skills

- **AI & ML:** NLP, LLMs, Conversational AI, Voice Cloning, Text-to-Speech, TensorFlow, Grid-Deviation-Prediction.

- **Languages & Tools:** Python (Pandas, NumPy, Matplotlib), SQL, Excel, Move (Aptos).

- **Development:** React, Next.js, Tailwind CSS, Frontend UI/UX, IoT, Robotics, Drone Automation.

- **Soft Skills:** Leadership, Team Management, Event Organization, Innovative.