Rahul P

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PROFILE

Pre-final year student aspiring to become a Machine Learning Engineer, with a focus on computer vision and innovative solution development. Currently researching Embedded Artificial Intelligence to integrate AI into constrained environments. Experienced in Natural Language Processing and Large Language Models. Proficient in Data Science, Linux, web penetration testing, backend development, and API design. Proven leadership and project management skills, successfully leading multiple projects throughout my academic journey.

EDUCATION

NANDHA ENGINEERING COLLEGE   **ERODE, TAMIL NADU**
Bachelor of Engineering   **Expected May 2026**
Major in Computer Science
Current Cumulative GPA: 9.22/10
Awards: Best Co-Curricular Award 2023, Student's Champion award 2024 by CiPD

EXPERIENCE

GeeksForGeeks   Remote, India
Campus Ambassador   Dec 2022 – Dec 2023

Robotics Intelligence Centre (RIC)   Nandha Engineering College, Erode
Founder/Team Lead   Nov 2022 – Current

ACTIVITIES

Robotics Intelligence Centre   Nandha Engineering College, Erode
Founder/Team Lead

- Established and led a robotics laboratory of ten student members supported by the Department of Computer Science, completing 6+ collaborative robotics projects and securing 3 university-level hackathon awards.
- We have received numerous accolades and recognition throughout our journey.
- Delivered five successful robotics consultancy projects for local manufacturing clients; projects focused on automating Agriculture tasks, Preventing Human-Animal Conflicts and Underground survey rovers.
- Link: RIC

Projects and Achievements

- 2nd prize at innovation day 2023 for Emotion detection through face and text analysis
- Developed and implemented an **automatic face-based attendance system** using raspberry pi 4 in the **Centre for Innovation and Product Development (CiPD)**.
- Created an AI-driven drone controlled by hand gestures.
- Designed a crawler robot inspired by the flexible legs of a spider, awarded **Best Unique Project** at **Innovation Day 2024**.
- Finalist in Tirupur Smart Road Safety Hackathon.
- Released a python pip package, shadow-geeks.
- A fun project for Project Based Learning in Web Development - Chat Website - https://studyguys.netlify.app/
- Developed and Implemented an Attendance Management System for CSE department in Nandha Engineering College.
- Placed 4th in NVIDIA associated National level GPU Computing based Code-a-thon organised by KPR institution.
- Recognized as NPTEL Star under Motivated Learner Category (July-Dec 2024).
- Actively contributed to multiple open-source projects, including the notable **YOLOv8_Explainer.**

ADDITIONAL

Technical Skills: Machine Learning – Scikit & PyTorch, Data Science, Linux, Project management, Backend, Web Penetration testing, Web Development, IoT & Robotics.
Languages: English, Tamil
Certifications & Training: Machine Learning (NPTEL), Deep Learning (NPTEL), Data analytics with python (NPTEL), Ethical Hacking (NPTEL), Programming in C (NPTEL).