

WAAFIQ RAAKIN

waafiqraakin@gmail.com • [LindedIn](#) • [Github](#) • [Leetcode](#)

SUMMARY

Machine Learning enthusiast with hands-on experience in AI model optimization, robotics software development, and data science. Proven ability to deliver innovative solutions, such as fine-tuning LLMs and building recommendation systems. Seeking opportunities to leverage technical expertise in ML and robotics to drive cutting-edge projects.

INTERNSHIPS

Cube AI Solutions - AI Intern

Jul 2025 – Sep 2025

AI Agent-based HR Automation System

Built an **AI-based HR automation system** for resume screening, scoring, and automated interview scheduling. Also implemented bulk resume handling via a RAG chatbot and LinkedIn profile extraction using **Selenium**.

Tech-stacks: **Node.js, express js, MongoDB, n8n, Google Gemini (LLM), Selenium**

PROJECT LINK: [link](#)

SYSTEM DEVELOPMENT PROJECTS

Junior Developer (ROS Subsystem), PSG Team Aurora

OCT 2024 - Present

- Developed and optimized software for **rover navigation and autonomous operations** using
 - ROS**.
- Collaborated with a multidisciplinary team, contributing to a finalist position in the **International Rover Challenge 2025 (Space Robotics Society, Goa)**.
- Secured **11 th place** in ERC Remote Challenge(2025) organized by European Space Foundation

PROJECTS

Fine-Tuned Mistral-7B for Philosophical Dialogue

FEB 2025

Leveraged **Unsloth** and **LoRA adapters** to **reduce VRAM usage by 30%** while enhancing conversational accuracy. Trained on a custom dataset of **philosophical Q&A** pairs to improve model depth. Achieved about **100 plus downloads** in **huggingface**.

HF LINK: [link](#)

Events Recommendation System

OCT 2024-NOV 2024

Built a college event recommendation engine using **scikit-learn (KNN)** and **Streamlit**. Integrated **SMTP** to automate email confirmations for event registrations.

PROJECT LINK: [link](#)

Parkinson's Disease Detection Using Voice Analysis

MAY 2025

Developed an **LSTM model** that analyzes vocal features (**jitter, shimmer, pitch**) to detect Parkinson's disease

PROJECT LINK: [link](#)

EDUCATION

PSG Institute of Technology and Applied Research

AUG 2023 - JULY 2027

Bachelor of Technology in Artificial Intelligence and Data Science

CGPA - **8.82**

ADDITIONAL INFORMATION

- Programming Languages:** Python, Java
- Frameworks & Libraries:** scikit-learn, ROS, Langflow, tensorflow, nodejs, express js, husarnet, n8n
- Databases:** MySQL, MongoDB
- AI/ML:** LLM Model Fine-Tuning (Unsloth, LoRA), NLP, LLM
- Columnist**, Think and Ink Magazine: Wrote on **DNA data storage's** potential to revolutionize archival tech via molecular encoding.

LEADERSHIP EXPERIENCE

Conducted hands-on workshop for juniors on **Git, GitHub, and ROS (Robot Operating System)**, introducing version control, collaboration workflows, and robotics .