

RAVIRAJ MORE

AI and Machine Learning Student | Research Intern

+919130817727 ✉ moreraviraj7727@gmail.com 🌐 LinkedIn 🐙 GitHub 📍 Kolhapur, India

PROFESSIONAL SUMMARY

AI and Machine Learning engineering student targeting Google Student Researcher roles, with hands-on experience in machine learning, deep learning, natural language processing, computer vision, data science, LLM systems, and research prototype development. Contributing as a Research Intern on literature review, experiment planning, model testing, and technical documentation.

WORK EXPERIENCES

Research Intern | Internship Dec 2025 - Present
R&D Cell, Dr. Bapuji Salunkhe Institute of Engineering and Technology On-site • Kolhapur

- Supported **2 AI research tracks** by **reviewing papers**, **testing model ideas**, and **preparing documentation** for prototype implementation.
- Structured **3 research tasks** covering literature review, model experimentation, and result documentation into weekly checkpoints.

Technologies / Skills Used : AI Research, Prototyping, Technical Documentation

Data Science and Machine Learning Intern | Internship Jun 2024 - Jul 2024
Maxgen Technologies Pvt. Ltd. On-site • Pune

- Completed an **8-week internship** covering data preprocessing, exploratory data analysis, and machine learning model training.
- Practiced a **4-step workflow** for data cleaning, feature preparation, model training, and result interpretation on real-world datasets.

Technologies / Skills Used : Python, Data Analysis, Machine Learning

EDUCATIONS

D.K.T.E. Educational Society's Textile and Engineering Institute | Ichalkaranji 2025 - Present
Bachelor of Technology in Artificial Intelligence and Data Science Engineering CGPA : 7.7

- Google Student Ambassador** for the year 2026

Dr. Bapuji Salunkhe Institute of Engineering and Technology | Kolhapur 2022 - 2025
Diploma in Artificial Intelligence and Machine Learning Engineering CGPA : 92%

Microsoft Learn Student Ambassador - 2024/25

PROJECTS

Specific Person Detection Using Ear Biometrics Dec 2025 - Present
ML Model Developer

- Computer vision research prototype for ear-based biometric recognition using image preprocessing, feature extraction, and classification.
- Built a **3-stage vision workflow** for preprocessing, feature extraction, and classification on ear-region images.
- Documented **3 experiment checkpoints** and failure cases to evaluate recognition when face or fingerprint data is unavailable.

Technologies / Tools Used : Python, Computer Vision, Image Processing, Machine Learning, Biometrics

Smart Water Monitoring and Flood Prevention System Jan 2026 - Present
Backend Developer and ML Engineer

- IoT and analytics project that tracks water-level and water-quality inputs, visualizes risk signals, and sends AI-based early alerts.
- Built a **4-module prototype** with IoT sensing, data logging, dashboard analytics, and AI-based alert logic.
- Tracked water-level and water-quality inputs to support flood-risk and sanitation monitoring in one reusable workflow.

Technologies / Tools Used : IoT, Sensors, Data Analytics, Dashboards, AI

PROJECTS

AI Voice Assistant for Windows

Jun 2024 - May 2025

Lead Developer

- Windows AI assistant that processes voice commands, categorizes user queries, and generates contextual responses using LLM APIs.
- Built a **3-stage hands-free assistant** covering speech capture, intent classification, and desktop task execution.
- Integrated speech recognition, query routing, and LLM API response generation into one automated workflow.

Technologies / Tools Used : Python, Machine Learning, NLP, Speech Recognition, LLM APIs

SKILLS

Databases :	MySQL, MongoDB
Frameworks Libraries :	LLM APIs, Speech Recognition
Languages :	English, Hindi, Marathi
Programming Languages :	Python, C++, Java, C
Soft Skills :	Research Mindset, Analytical Problem Solving, Fast Learning, Collaboration, Prototype Building, Research Writing, Decision Making, Problem Solving
Tools Platforms :	IoT Sensors, Dashboards, Data Analytics, System Automation, Technical Documentation, Git, GitHub

AWARDS & ACHIEVEMENTS

- Selected for institute R&D Cell work in AI experimentation, prototype implementation, and technical documentation.
- Delivered a smart water monitoring solution using sensors, dashboards, analytics, and AI-based alerts.

EXTRA CURRICULAR

- Returning to studies after the engagement.

TECHNICAL CLUBS

- Research Interests: Computer Vision, Natural Language Understanding, Machine Learning, Data Science, LLM Systems, Scalable AI
- Research Methods: Literature Review, Experimental Planning, Model Evaluation, Result Documentation, Prototype Testing