

Ramaa Rakshitha



Contact

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About

I am an AI/ML enthusiast with a focus on building practical, AI-driven applications and solutions. Skilled in Python and machine learning. Great interests for solving problems by combining data, intelligence, and technology. Passionate about developing scalable and intelligent systems that bridge backend logic with machine learning capabilities.



Education

RV University(Bengaluru): Bachelor of Technology in Computer Science and Engineering-Honours (Major: AI & ML, Minor: FinTech)

Expected Graduation: 2028

CGPA:8.89

Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks, Machine Learning, Web Fundamentals



Technical Skills

Languages: Python, C++, JavaScript

Frameworks & Tools: Flask, Streamlit, MySQL, PyTorch

AI/ML Tools: Pandas, NumPy, scikit-learn, PyTorch(Learning), MistralAI, Hugging Face, FAISS, NLP, RAG, Reinforcement Learning

Web Technologies: HTML, CSS, Bootstrap

Version Control: Git (basic)

CS Fundamentals: Operating Systems, DBMS, Networking



Experience

AI Intern(Scrum Master) — Broadrange AI (Feb 2025 - Aug 2025) -

Remote, Illinois, United States

- Developed an end-to-end RAG (Retrieval-Augmented Generation) application integrating LLMs (Mistral-7B)
- Built a translation and summarization pipeline using Google Deep Translate and LLM workflows
- Built an AI chatbot powered by Mistral-7B, integrated vector stores with FAISS for PDF-based Q&A and contextual retrieval
- Enhanced chatbot performance using reinforcement learning with user feedback
- Worked on speech-to-text and multimodal integration for improved user interaction

Key Skills: Python, Streamlit, Generative AI, LLMs (Mistral 7B), RAG, FAISS, NLP, Translation, Summarization, Reinforcement Learning, Speech-to-Text



Projects

Gym Management System | Flask, MySQL, HTML, CSS, JavaScript -

- Developed a full-stack web application using Flask, MySQL, HTML, CSS, JavaScript, and Bootstrap.
- Enables management of members, trainers, memberships, attendance, and payments through an intuitive interface.
- Implemented CRUD operations for seamless data management.
- Designed a responsive frontend and integrated backend database for real-time updates.
- Focused on modular structure and maintainability for scalability and ease of use.

Code-Repo

AI Translator | Hugging Face, Streamlit, BART, MistralAI

- Created an AI-based multimodal translator chatbot combining multiple language models.
 - Integrated Hugging Face NLP models for summarization, translation, and Q&A.
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Certifications & Achievements:

- PESxHAL Hackathon Finalist(2025)
 - GirlScript Summer of Code (GSSoC) 2025 – Contributor (Selected Participant)
 - Selected from nationwide applicants to participate in an open-source program fostering real-world software collaboration.
 - RVITM-Hacker-Ring Finalist(2025)
 - Tech Member - Google Developers Groups on Campus (RV University)
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Soft Skills

- Team Collaboration
 - Communication
 - Problem Solving
 - Adaptability
 - Leadership
 - Agile & Scrum Practices
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Additional Information

- Currently learning Deep Learning and related libraries
- Strong interest in backend and AI product development.