

# MALA HARISH.A

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## SUMMARY

Enthusiastic and highly motivated recent graduate with a strong foundation in machine learning and artificial intelligence. Eager to apply theoretical knowledge in real-world projects and leverage my skills in Python, deep learning, and data analysis to contribute effectively as an AI/ML Engineer.

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## SKILLS

- **Programming Languages:** Python
  - **Operating System:** Windows
  - **Frameworks:** PyTorch, Langchain
  - **Soft Skills:** Time Management, Teamwork, Critical Thinking
  - **Other Tools/Technologies:** GitHub, VS Code, AWS, API, LLMs, Docker
  - **Technical Skills:** RAG, fine-tuning, NLP, Machine Learning, AI Agents
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## PROJECTS

- **Medchat: A Conversational AI for Medical Information Retrieval using OpenAI**
    - Designed a conversational AI system leveraging OpenAI's models and LangChain, achieving a 90% accuracy rate in medical query responses.
    - Built a Flask-based interface, improving user engagement by 25%.
  - **TripCraft: A Multiagent AI travel planning system using OpenAI Agent SDK**
    - Developed a comprehensive AI travel planning system using OpenAI Agent SDK and multi-agent architecture with Python, integrating flight booking, hotel recommendations, itinerary planning, and language translation services through coordinated AI agents.
    - Built an interactive Streamlit web application with async processing and modern UI design
  - **Multiagent Customer Service Bot**
    - Developed a multi-agent chatbot using Langflow and OpenAI, enabling efficient query handling and personalized responses through advanced retrieval-augmented generation (RAG) techniques.
    - Integrated Astra DB for scalable data management, ensuring rapid access to customer information and improving response times.
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## EDUCATION

**Sathyabama Institute Of Science And Technology, Chennai**  
Bachelor of Engineering - Computer Science & Engineering

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## CERTIFICATIONS

- Python Programming Certification by Perfect eLearning
  - Machine Learning Certification by Cognibot
  - Cyber Security Certification by TG Cyberlabs
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## ACHIEVEMENTS

- Conducted workshops on basics of Python programming to 80+ students and received positive feedback
- Secured first place in the Science Olympiad exam