KEERTHANA R

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in LinkedIn 🔗 Portfolio 🐙 Github

Aspiring AI and Data Science student with expertise in generative AI, machine learning, and data science. Proficient in designing and deploying AI solutions leveraging Deep Learning, NLP, Large Language Models (LLMs), and LangChain. Demonstrated leadership in project management and event coordination, backed by a strong academic record and foundational problem-solving skills in Java. Passionate about applying technical expertise and collaborative problem-solving to drive innovation in AI and technology.

SKILLS

Technical Skills
- Python(ML& Basic DL,LLM)
- Java (Basic-Problem Solving)
- Streamlit(Python Framework)
- SQL(Intermediate)
- UI/UX(Figma)

Soft Skills
- Public Speaking
- Leadership
- Team work

CERTIFICATES
- Python for data science -NPTEL
- GreatLearning-Machine Learning
- SkillRack-SQL(Basic)
- Sololearn-Introduction to Java

AWARDS
- 1st prize at Technical symposium for technical connection
- 1st prize at Tiny Drops Quiz Competition (Senior Level)
- 1 st prize at intercollege project expo

ACHIEVEMENTS
- Semi-finalist in National Level Hackathon
- Semi-finalist at Regional Level Youth Talk
- Club level winner for International Speech Contest(Toastmasters)

INTERNSHIP

Software developer(python) - INTERN

ThinkAI | Chennai   Aug 2024-Oct 2024

- Developed AI-based chatbots using LLM, LangChain, and Hugging Face during a two-month internship at ThinkAI, gaining hands-on experience with real-time projects.
- Collaborated with cross-functional teams to tackle complex AI challenges, enhancing chatbot performance and deployment strategies.

LEADERSHIP EXPERIENCE
- Secretary – SMVEC Toastmasters Club(May 2024-Nov 2024)
- UNSTOP Student Director(Present)
- President – SMVEC Toastmasters Club(Present)

EDUCATION

2022-2026

BACHELOR OF TECHNOLOGY
Sri Manakula Vinayagar Engineering College, (Artificial Intelligence and Data Science)
CGPA - 9.2

2021-2022

HSC
Amalorpavam Higher Secondary School
Percentage - 86.8%

2019-2020

SSLC
Amalorpavam Higher Secondary School
Percentage - 93.4%

PROJECTS

Virtual Classroom with AI summarization
Frontend: HTML,CSS,Javascript
Backend: Flask,Python
Role: Python Backend Developer
Developed the backend for a virtual classroom using Flask, enabling real-time speech-to-text transcription and AI-powered summarization via the Gemini API, with automated summary delivery to the host via email.

Voice enabled Geo-Spatial Map
Frontend: HTML,CSS,Javascript
Backend: Flask,Python
Role: Team Leader and Python Backend Developer
Developed a Python and Flask-based voice-controlled geospatial map enabling hands-free navigation, real-time user interaction, zoom control, query responses, and distance estimation for seamless travel assistance.

Virtual data analyst
Frontend: Streamlit
Backend: Python
Role: Team Leader and Backend Developer
Built a Python-based virtual data analyst that replicates all data analysis tasks, including data visualization, model prediction, report generation, and dashboard creation. Integrated with the Gemini API, it features a chatbot for seamless interaction and automation of data-driven insights.

Nutripath
Frontend: Streamlit,HTML,CSS
Backend: Python
Role: Backend Developer
Built a NutriPath system that extracts text from medical reports, processes key health indicators using machine learning to predict diseases, and generates personalized diet plans tailored to the diagnosed condition for better health management.