

NALIN RAJENDRAN

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OBJECTIVE

Passionate Machine Learning Engineer with a strong foundation in AI and a keen interest in solving real-world challenges through innovative technologies. Seeking to contribute my skills and knowledge to a dynamic team, where I can leverage my expertise in machine learning, deep learning, and cloud deployment to drive meaningful advancements in artificial intelligence. Eager to collaborate, learn, and apply cutting-edge techniques in a professional environment to create tangible impacts.

EDUCATION

Bachelor of Technology in Computer Science (Artificial Intelligence)

Amrita School of Computing, Amrita Vishwa Vidyapeetham, Coimbatore.

CGPA: 8.24

Expected 2024

All India Senior School Certificate Examination

Vishwa Sishya Vidyodaya School, Pollachi.

Percentage: 80%

(2018 - 2020)

All India Senior School Certificate Examination

Vishwa Sishya Vidyodaya School, Pollachi.

Percentage: 85%

(2016 - 2018)

SKILLS

Languages

Python, JavaScript, HTML

Libraries and Frameworks

Numpy, Pandas, Sklearn, Pytorch, NodeJS, Docker

Operating Systems

MacOS, Linux, Windows

Soft Skills

Leadership, Adaptability, Teamwork

EXPERIENCE

MLOps, CloudOps

AmphiVentures

June 2023 - Current

Remote

- Deployed and maintained multi-modal evaluation systems.
- Deployed cost-effective models on cloud.
- Could server maintenance.

Machine Learning Engineer

SkyBridge Infotech

Feb 2023 - May 2023

Remote

- Sales forecast and analysis.
- Developed Deep Learning and Machine Learning models for Royal Enfield Motorcycles.

PROJECTS

Communicable Disease Prediction in Kerala (PUBLICATION)

November 2022 – March 2023

Forecasted the spread of communicable diseases like Dengue and Chikungunya in Kerala using deep learning models and climatic variables. Implemented the models to raise awareness about disease prevention. The project's results were published, contributing to public health insights. [[Repo Link](#)]

End-to-End LLM based Medical Chatbot

May 2023 – August 2023

LOCATION - AIMS, Kochi

Developed and deployed a medical chatbot powered by a Large Language Model (LLM) based on GPT-4. The chatbot assists physicians in providing clinical diagnoses to patients. The backend architecture was designed for scalability using Docker, Redis, and AWS. The system is operational and serves as a valuable medical resource.

Novel approach of Multi-Modal Graph LLM

June 2023 – August 2023

Designed a graph-based multi-modal Large Language Model (LLM) capable of responding to user queries considering visuals, sentiments, and emotions. The model also summarized input video sequences, making scene and sequence predictions. This project demonstrates the application of LLMs in a multimedia context.

ACHIEVEMENTS

- Runner Up of the NLP based hackathon event 'CODE-BOT', which was held as a part of Anokha 2023 at Amrita Vishwa Vidyapeetham. Developed an ECO-Friendly chat-bot for the farmers. - [Certificate](#), [Project Link](#)
- Second Runner Up of the 'AI in Healthcare' hackathon, which was held at Amrita Insititue of Medical Science. Developed cost-effective DL based posture correction app for stroke patients. - [Certificate](#)

PERSONAL DETAILS

Date of Birth : 30-08-2003

Hobbies : Listening to music, Biking.

Contact Address : 52, 1st street, SNR Nagar, Dhali Road, Udumalpet-642126.

Place: Coimbatore

Date: 12/08/2023