NIKHILESWARA RAO SULAKE

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Driven AI researcher passionate about open source contribution. Committed to transforming organizational dreams into tangible results. Skilled in AI and ML, with a focus on innovative and impactful projects. Eager to leverage expertise in guiding organizations toward their aspirations. I am actively looking for a job in the domain of Artificial Intelligence and Machine Learning.

PROFESSIONAL EXPERIENCE

Google Student Developer Club : AI/ML Lead   Aug 2023 – Jun 2024

- Responsible for raising awareness about trending AI technologies at my university, I was selected for this role due to my skills and problem-solving abilities, outshining many competitors. Additionally, I motivate and support students interested in AI/ML as part of my open-source contributions.

Freelance : Generative AI Engineer   Aug 2023 – Jun 2024

- I have developed and implemented LocusChat, a generative AI project designed for customer interaction in hotels, restaurants, and clinics. This involved creating an intelligent system capable of handling customer inquiries and providing prompt, accurate responses. My responsibilities included designing the AI architecture, training models, integrating the system with various platforms, and ensuring seamless user experience.

LetsGrowMore : Data Science Intern   Feb 2023 – Mar 2023

- Conducted Exploratory Data Analysis to uncover crucial insights and performed Feature Engineering and Selection for model-ready datasets. Developed CNN models for recognizing mathematical characters and equations, a mood-based song suggestion model, and a UI prototype for a House Price Prediction project. Major contributor to these projects, earning a Letter of Recommendation from the company.

PROJECTS

Multi Crop Disease Prediction for farmers

- This project will farmer to know the disease that us their crop suffering from.
- Can detect 9 plants with total of 29 diseases, built using Plant Village Dataset. Done with a comparison of different deep learning models and integrating the best one to the website.
- Accuracy obtained:- 99.28%

Eye Optical Coherence Tomography Diseases classification

- This project is for publishing a research paper for a journal
- I have classified 3 disease classes and a normal class total of 4 classes, and built an model architecture for classification task, named MLP Mixer.
- Experimented with lots of tasks, and built an efficient classifier with raw model code itself. Results cant be mentioned yet.

Project Zoya

- This project is done for my Teckzite 2k24 project expo. Project Zoya is humanoid robot which can answer your voice based input question through GenAI and answers you in voice output.
- We have integrating this system in IoT (Raspberry pi).
- Got a lot of appreciation for this project in university (Director) and this project was featured in Telugu and English newspaper

Liver Segmentation

- This project is for publishing a research paper for a journal

- This project includes detecting the best model and loss function combinations for detecting and segmenting the lung in CT Scans of Medical image dataset. Results cant be mentioned yet.

Song recommendations based on Facial Mood of Human

- This project is very unique as it recommends songs to the user based on their face mood
- This is developed using Deep Learning for detecting the facial mood and used Machine Learning for the further procedures

Social Media website

- Built a fully functional Social Media Website using Python, Flask, HTML, CSS
- I have built this as a mini-blog posting platform, where the user can post their content
- Here the user can sign-in, sign-up, post their content, can see others content, can modify their profile, can visit others profile.

EDUCATION

B.Tech, Computer Science and Engineering

Rajiv Gandhi University of Knowledge Technologies, Nuzvid   2023 - 2027

Pre-University Course

Rajiv Gandhi University of Knowledge Technologies, Nuzvid   2021 - 2023

Course grade : 9.88/10

SKILLS & OTHER

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Exploratory Data Analysis
- Git and Github
- Open Source Contributor
- Computer Vision
- Natural Language Processing
- Python Programming
- Mathematics for Machine Learning
- HTML, CSS, Bootstrap, JQuery

CERTIFIATIONS

- DRDO and DIAT certified Artificial Intelligence and Machine Learning Professional   2023
  - Score: 91.8
  - IBM Machine Learning Specialization from Coursera
- Volunteered under the Hospitality team in TECKZITE 2k23 event

ACHIEVEMENTS & AWARDS

- Runner up in SCIENTIA 2k22 for my IoT based project on Soil Moisture Detection   2022
- Selected for GDSC AI/ML Lead in my university   2023
- Semi-Finalist in Awiros and Intel Computer Vision Appathon 2.0
- Finalist in Hackfest 2.0 by CMR college Hyderabad
- Secured 2nd position in Teckzite Project Expo, RGUKT Nuzvid