

Sahil Nagaralu

Student

Passionate programmer, data scientist, and problem-solver with AI & ML expertise



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EDUCATION

B. Tech in AI/ML

Symbiosis Institute of Technology

09/2021 - Present

Pune, India

Senior Secondary (XII)

Page Junior College

05/2019 - 09/2021

Hyderabad, India

ACADEMIC PROJECTS

Self-Driving Robot Car (08/2023 - 11/2023)

- Using Deep Reinforcement Learning, creating a Robot Car that will go to the specified destination in the fastest way dodging the obstacles.

CineMaestro (08/2023 - 11/2023)

- Using Natural Language Processing and Large Language Model, fine-tuned a GPT-Model to obtain the continuation of a starting of a story and created an android app.

Bio-Medical Signal Augmentation using GANs (02/2023 - 06/2023)

- Creating a GANs technique for data augmentation on EEG signals of parkinson's disease and checking the quality of augmented data using classification.

MeloKeys (02/2023 - 05/2023)

- A piano on your computer with the keys on keyboard as the notes and provide notes of the selected song to play.

Bird's Eye - Flight Path Predictor and Weather Predictor (01/2023 - 04/2023)

- Predicting flight path of a selected flight and weather factors of a selected airport based on the data of last 5 days using DL.

WORK EXPERIENCE

AI Consultant - Intern

kAltchens

08/2023 - 10/2023

Pune

This is an AI startup which wants to help out cloud kitchens by giving them tools to reach out.

Achievements/Tasks

- Monitoring and evaluated the performance of the website and LLM model to identify areas for improvement

Project for Blind People

NFBM Blind School for Blind Girls

07/2023 - 11/2023

Pune, India

This is a school where I am helping out as an volunteer.

Tasks

- Utilizing different libraries in coding languages to read out the text in Marathi typed in English using the technique of Transliteration

SKILLS

Problem-Solving

Back-End Development

Game Design

Machine Learning

Data Mining

Python

C++

Java

JavaScript

Team Player

AWARDS AND ACHIEVEMENTS

AP Shah Institute of Technology Hackathon: Received First Prize in the Hackathon.

IEEE Technovation: Received First Prize at the college level and Third Prize in the final level for the Project Presentation.

College Level Technovations: Received First Prize and Second Prize in DAICT and PICT Technovations, respectively.

GATE 2024 DA: Achieved All India Rank 220

Codeforces(Competitive Programming): Rating: 1466 and Rank: Specialist.

Weather Anomaly Detection Research Paper selected for 2023 IEEE 11th Region 10 Humanitarian Technology Conference and published on IEEEXplore.

POSITIONS OF RESPONSIBILITY

SIT - Matheletes Club: Co-Head/Co-Founder of the Club (02/2023 - Present)

SIT - AI Club: Head of the Research and Documentation Team (12/2022 - Present)

SymbiTech TechFest: Co-Head of the Finance Team (08/2022 - 10/2022)

CERTIFICATIONS

Fundamentals of Digital Image and Video Processing (Coursera)

Introduction to XR: VR, AR and MR Foundations (Coursera)

Data Structures (Coursera)

Game Development for Modern Platforms (Coursera)

INTERESTS

Coding

Cricket

Movies

Travelling