GAJJI MOHIT YADAV

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PROFILE

An enthusiastic and dedicated AI engineering student with a passion for cutting-edge technology and a drive to contribute to the evolution of artificial intelligence. Possesses a keen interest in applying AI solutions to tackle pressing global challenges, leveraging its potential to revolutionize various industries and improve the quality of life for people worldwide. With a solid understanding of AI principles and proficiency in programming languages, is committed to staying updated on the latest advancements and methodologies in the field.

EDUCATION

B.Tech in Computer Science and Artificial Intelligence 2021-2025

Amrita Vishwa Vidyapeetham, Amritapuri Campus (8.18 / 10.0)

12th in MPC 2019 - 2021

Sri Chaitanya Junior College ,Vijaywada(93%)

CBSE / 10th 2019

Sri Prakash Vidyaniketan , Rajahmundary (87%)

Experience

Frappe Intern ICTS(Information and Communication Technology Services) May 2023 - Aug 2023

Kerala, India

The Frappe application is designed for students and teachers, centralizing academic activities and information. It provides access to essential resources, fee management, quizzes, assessments, and progress tracking in a single platform. By supporting interactive features, the application enhances learning and facilitates communication between students and teachers, enabling timely feedback and support.

Technologies Used : HTML , CSS , Java Script , Python

PROJECTS

Ethnicity detection Jun 2023 - Aug 2023

- A Convolutional Neural Network (CNN) was developed to predict age, gender, and ethnicity from facial images. Data preprocessing was employed to train the CNN on extensive datasets, fine-tuning its parameters for optimal performance and accuracy. Through extensive experimentation and iterative refinement, the model's capacity to extract meaningful facial features and patterns indicative of age, gender, and ethnicity was enhanced.

- Technologies Used: Python , Tensorflow

Predicting a student has dyslexia and dysgraphia May 2022 - Aug 2022

- Developed a machine learning based solution to predict whether a child has dyslexia and dysgraphia or not , we as a team used handwritings of dyslexic and non dyslexic and trained our model , for dyslexia we have used various methods like speaking test , typing test and writing , by this project we aim to provide children a percentage how much he has that specific disorder or not .
- Technologies Used: Machine Learning , StreamLit , API's for image reading .

Machine Learning-Based Firewall in SDN Networks Aug 2023 – Sep 2023

- Developed a machine learning-based firewall using the K-Nearest Neighbors (KNN) algorithm within Software-Defined Networking (SDN) to enhance network security.
- Technologies Used: Machine Learning , RYU SDN controller , Python .

Surveillance Robot Jul 2023 - Aug 2023

- Developed a revolutionary robot which will is automated and can move on its own it is connected to a server which checks the feed from it camera which detects any objects come in front of it , and if any human passes through it detects and sends a notification to the owner .
- Technologies Used : Python , Deep Learning , Hardware products for building a mini robot .

Clinic Management System Jun 2024-Jul 2024

- Designed and implemented a PostgreSQL database for a comprehensive clinic management system, including key tables such as Doctor, Patient, Appointment, Prescription, and Medicine Bill, following best practices in database normalization (1NF, 2NF, 3NF).
- Developed complex SQL queries for patient management, appointment scheduling, prescription generation, and leave tracking, optimizing the database for efficient retrieval of doctor and patient information.

AI Art style transfer Gallery Aug2024 – Oct2024

- Developed a web-based AI-powered art platform with three key features: AI style transfer, text-to-image generation, and a personalized art gallery for users. The frontend was built using HTML, CSS, and JavaScript, while the backend was powered by Django and a GAN-based AI model for image generation.
- Technologies Used: HTML, CSS, JavaScript, Django, GAN (Generative Adversarial Network)

SKILLS

Programming Languages : Python , JS
Database Systems : PostgresSQL
Libraries: Scikit-Learn
Concepts: Data Structures, Object Oriented Programming, Operating Systems, Computer Networks, Deep Learning and Machine Learning
FrameWorks: Frappe,Django,Tensorflow,pytorch
Soft Skills: Ability to work well with a team,

- Can handle multiple tasks at same time,
- Good at solving complex problems,
- Good at communication and able to articulate ideas clearly and effectively

AREA OF INTERESTS

AI, Machine Learning and Deep Learning , GenAI , LLM's

Achievements

- Won first place in Smart India Hackathon (SIH) , for our project Predicting a student has dyslexia and dysgraphia . This is a national level hackathon conducted by Government of India
- Co-authored and Published Research Paper , **"Do Application-Specific AI Chatbots Weigh More Than ChatGPT for Real-Time Information Service"** Explored the comparative effectiveness of domain-specific chatbots vs. ChatGPT for real-time information delivery. Published on SSRN and presented at the *International Conference on Innovative Computing & Communication (ICICC) 2024*

Student Social Responsibility program(SSR) August 2023 – December 2023

For the SSR Project me and my team went to a government high school to teach HTML and CSS to the students of that school and also gave them guidance for their carrier paths in web development field , this has given me as person a great satisfaction and a responsibility to continue this good work.

Certifications

Oracle Cloud Infrastructure 2024 Generative AI Certified Professional	**July , 2024**
Introduction to LLMs in Python	**April , 2024**
Introduction to Deep Learning with PyTorch	**May,2024**
Deep Learning for Images with PyTorch	**June,2024**
Deep Learning for Text with PyTorch	**July,2024**