NIHITH PENUMUCHU

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Summary

Motivated Computer Science student specializing in Artificial Intelligence and Machine Learning at SRM University. Skilled in Python, JavaScript, React.js, and SQL, with a strong foundation in Data Structures and Algorithms and Machine Learning. Experienced in innovative projects like EEG-based mental health prediction, social media platforms, and 3D game development

Education

SRM UNIVERSITY - KTR CAMPUS   Sep 2021 - Present
B. Tech · - CSE - Artificial Intelligence & Machine Learning   CGPA: 7.51 / 10

SRI CHAITANYA JUNIOR COLLEGE   Jul 2019 - May 2021
12th · BIEAP · Guntur, Andhra Pradesh   Percentage: 84.20 / 100

SRI CHAITANYA SCHOOL   Jul 2018 - May 2019
10th · BSEAP · Guntur, Andhra Pradesh   GPA: 9.5/10

Skills

Python, HTML, CSS, JavaScript, ReactJs, SQL

Languages

Telugu [Native Proficiency], Hindi [Limited Working Proficiency], English [Professional Working Proficiency], Japanese [Fundamental Proficiency], Korean [Fundamental Proficiency]

Projects

ChromaPin | https://chromapin-capybara.netlify.app/   Nov 2024 - Present
Technologies: HTML, CSS, JavaScript
- Developed a feature-rich social media platform for sharing and discovering visual content.
- Designed a color-based image filtering system for intuitive content discovery.
- Built a responsive masonry grid layout for adaptive and visually appealing designs.
- Implemented live search functionality with instant result rendering.
- Integrated real-time messaging and user profile management systems, including support for favorites and collections.
- Added pagination with a 50-item limit per page for efficient data handling.

3D Car Racing Game | https://3d-racing-game.vercel.app/   May 2024 - Jul 2024
Technologies: JavaScript
- Designed a minimalist 3D racing game with features like nitro boosts, multiple camera angles, and dynamic scoring.
- Created a vibrant 3D racing environment with intuitive car controls and an immersive experience.
- Implemented strategic nitro boosts with an on-screen gauge.
- Developed player-controlled camera angles for personalized gameplay.

Wavelength | https://wavelength-peach.vercel.app/   -
Technologies: HTML, CSS, JavaScript
- Created an interactive platform for exploring playlists, albums, and popular tracks.
- Designed a responsive layout optimized for mobile and desktop use.
- Integrated animations and smooth transitions for a visually engaging experience.

Feast Finder | https://feast-finder-lovat.vercel.app/   Jan 2024 - Mar 2024
Technologies: HTML, CSS, JavaScript
- Built a web application for browsing restaurants, showcasing details like ratings, cuisines, and pricing.
- Enabled cart functionality to add items and review orders before checkout.
- Designed a fully responsive layout for seamless multi-device compatibility.

Nihith Penumuchu Portfolio | https://stellar-daffodil-ad53ea.netlify.app/ -

Linkedin | https://www.linkedin.com/in/nihith-penumuchu-132219253/ -

Github | https://github.com/NIHITHPENUMUCHU -

Publications

Predicting Psychological Mental Health Disorders from EEG signals using Machine Learning Techniques Oct 2024

Mentor: Dr. M Vimala
- Focused on using EEG signal processing and machine learning techniques for mental health disorder prediction.
- Implemented preprocessing techniques to remove noise, followed by feature extraction for critical pattern identification.
- Applied Random Forest and Neural Network models to predict mental health conditions like depression, anxiety, schizophrenia.and 4 other Mental Health disorders.
- Gained expertise in Python programming, data visualization, and statistical modeling.

Conferences and Workshops

Node Js and React Js workshop Feb 2024

· SRM Institute of Science & Technology, Kattankulathur Campus, University Building

Key Skills: NodeJS, ReactJS, JavaScript

Participated in an intensive workshop on Node.js and React.js conducted at my college.

Enhanced my understanding of both front-end and back-end development.

Gained practical knowledge on effectively integrating and managing client-server interactions.

Extra Curricular Activities

GOOGLE ANDROID DEVELOPER VIRTUAL INTERNSHIP (SEP - NOV 2023) -

Organized by EduSkills.

Srm Department of Electronics and Communication Engineering -

Participated in Logo Contest for 5G Use Case Lab on December 8th, 2023, organized by IETE Student Forum of the Department of Electronics and Communication Engineering.

PALO ALTO CYBERSECURITY VIRTUAL INTERNSHIP (JAN - MAR 2024) -

Organized by EduSkills

TATA Crucible -

Participated in the TATA Crucible Campus Quiz 2024 organised by the Tata Group

GOOGLE AI-ML VIRTUAL INTERNSHIP (APR - JUN 2024) -

Organized by EduSkills

AWS DATA ENGINEERING VIRTUAL INTERNSHIP (JULY - SEP 2024) -

Organized by EduSkills

DSAI Hackathon -

Participated in the DSAI Hackathon of the Meraz 4.0 organised by the Indian Institute of Technology (IIT), Bhilai

Flipkart GRID 6.0 - Software Development Track -

Participated in the Level 1: E- Commerce & Tech Quiz of the Flipkart GRID 6.0 - Software Development Track organised by the Flipkart.

Eureka Challenge 2.0 -

Participated in the Executive Submission Round of the Eureka Challenge 2.0 organised by the Varroc.