Anju Vilashni

SDE | CSE STUDENT (4TH YEAR)

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Chennai, India

EDUCATION

BTECH CSE WITH SPECIALIZATION IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

SRM Institute of Science and Technology | Chennai, TN

CGPA: 9.42/10.00

CLASS 12TH

Chennai Public School | Chennai, TN

Percentage: 70.4%

PUBLICATIONS

N. Anju Vilashni, Sowmya Kannan, Yegu Sanjana, "A DEEP LEARNING APPROACH TO MUSIC RECOMMENDATION SYSTEM BASED ON FACIAL EMOTION RECOGNITION", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 4, Page No pp.22-26, December 2022.

WORK EXPERIENCE

Web Developer

JobDae, Bangalore

Oct 2020 - Feb 2021

- Designed an integrated database using SQLite that leveraged the React architecture to yield on-demand, detailed feedback.
- Curated over 50 website changes to increase the user flow and understanding of all platform capabilities and features.

POSITION OF RESPONSIBILITY

Innovation Head

Design and Innovation Club | SRM Institute of Science and Technology

May 2022 - Current

- Lead the innovation team of 9 members.
- Was responsible for the design and maintenance of the clubs website.

Executive Member

Design and Innovation Club | SRM Institute of Science and Technology

Sep 2021 - May 2022

- Created accessible, responsive, and functional user interfaces to allow visitors on any device to have the same perfect user experience.

Event Coordinator

ACE Club | SRM Institute of Science and Technology

Sep 2021

- Was responsible for hosting a hackathon as part of a national level technical symposium, organized by the Department of Computer Science and Engineering

PROJECTS

Music Recommendation System based on Facial Emotion Recognition

TECH USED: OpenCV, Keras, Tensorflow, Convolutional Neural Network, Recurrent Neural Network, Python

- Worked on this Research project under the guidance of a faculty
- The aim of the project was to create a music recommendation system/music player.
- The system will detect the users face, identify their current mood and then recommend a playlist based on the detected mood.
- My contribution to the project was building the face detection model based on the FER dataset.

A Job Search Application based on Natural Language Processing and Sentiment Analysis

TECH USED: Natural language processing, MongoDB Natural Language ToolKit, Python.

- The aim of the project was to create an online forum that focuses on creating a safe professional workspace for women and people belonging to the LGBTQ+ community.
- The application enables a safe space for women and genderqueer budding entrepreneurs to find investors for their products and projects , employers to find employees willing to work for them and employees to find jobs of their interest where they are treated with respect.
- My contribution to the project was building the creation of post and the search feature within the application.
- This project was presented at the Hack for Inclusion'21.

Student Text Alert System

TECH USED: HTML, CSS, SMTP, MongoDB, Python.

- It is a text alert system which sends students emails containing links to their classes 5 minutes prior to the beginning of the class.
- The aim of the project was to create an efficient reminding system wherein a student never has to miss another class.

Detection of Pneumonia in Lungs

TECH USED: Keras, Tensorflow, Convolutional Neural Network, Computer Vision, Python.

- A project that involved using a Keras ML model with Convolutional Neural Network to train the system to classify the X-ray images and to accurately predict whether a patient's lungs are adversely affected by COVID-19 or not.
- This project was developed using the methodologies of Computer Vision.
- I was part of the back-end team which involved the development of the CNN model.

SKILLS AND SPECIALIZATIONS

Proficient in - C++, C, Python, SQL, Git, Flask, Applied Machine Learning, Deep Learning, Statistical Machine Learning.
Familiar with - JavaScript, Node.js, AI & Machine Learning, Data Structures and Algorithms, Operating Systems, Software Engineering, Computer Networks, Computer Communication, DBMS.

CERTIFICATIONS

Basics of Artificial Intelligence - SRM Institute of Science and Technology
Kickstart with React Native - SRM Institute of Science and Technology
Digital Skills: User Experience - Accenture
Machine Learning A-Z: Python & R Data Science [2022] -Udemy
Learn Python Programming Masterclass - Udemy
Complete Python 3 Masterclass Journey - Udemy
Python and Flask Bootcamp: Create Websites using Flask - Udemy
M001: MongoDB Basics - Mongo University

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