GAURAV AMARNANI

Experienced software engineer with a focus on turning excellent ideas into reality.

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FLAGSHIP PROJECTS

ReUnite AI: Finding Missing People

The Reunite AI project employs facial recognition and age progression technologies to aid in the identification of missing individuals. Leveraging deep learning algorithms, the system analyzes facial features and generates updated representations over time, facilitating the reunification of missing persons with their families. Rigorous evaluations demonstrate the efficacy of Reunite in identifying missing persons across diverse demographics and aging trajectories, addressing a critical societal challenge.

Tech Stack: Python, Django, MySQL, Keras, Tensorflow

Dream Team Analyzer and Predictor

The "Dream Team Analyzer and Predictor for Fantasy Premier League" project aims to address the issue of declining interest in Fantasy Football over the season by introducing a predictive strategy. Leveraging an extensive dataset of football statistics since 1992, the project utilizes data mining techniques to forecast future player performances. By incorporating factors such as previous performances, upcoming fixture difficulty ratings, and social media sentiment analysis, the proposed system enhances user engagement and retention. The methodology involves providing users with weekly player recommendations based on predictions, fostering a more interactive and engaging Fantasy Premier League experience.

Tech Stack: Spring (MVC, JDBC, Security), MySQL, JSON

Restaurant Management System

The Restaurant Management System developed using the Spring Framework offers a comprehensive solution tailored to the needs of restaurant owners. By gathering input from real restaurant owners through surveys, the system incorporates essential features such as tax calculations, monthly expenditure tracking, customer management, and menu organization. Leveraging graphical representations, the system enhances user experience and facilitates efficient decision-making.

Tech Stack: Spring Boot, MySQL, JSON, Chart.js

Notepad Clone Text Editor

Our project presents a clone of a Text Editor developed using Java Swings, enriched with additional features such as font selection, background color customization, and line numbering. This project aims to demonstrate the versatility and extensibility of Java Swings in building intuitive desktop applications.

Tech Stack: Java Swings, Core Java

Human Personality Prediction

Our project utilizes HTML/CSS, JavaScript, Bootstrap, and PHP to develop a Human Personality Prediction system based on the Myers-Briggs Personality Test. By leveraging these technologies, we aim to accurately assess and predict personality types, offering insights into individual behaviors and preferences. This innovative application contributes to understanding human psychology and enhancing self-awareness.

Tech Stack: HTML/CSS, Bootstrap, JavaScript, PHP

SKILLS

Programming Languages

Java, Python, JavaScript, C, C++, DotNet, HTML, CSS, PHP

Libraries & Frameworks

Spring Framework, Collections Framework, Multithreading API, React, Gatsby, Node.js, Hibernate Framework

Tools & Platforms

Git, Github, Git Bash, Linux Commands, IntelliJ, Eclipse, Netbeans, MySQL, MySQL Workbench, Ubuntu, MongoDB, Heroku, WordPress, Firebase, Docket, Jenkins

EDUCATION

Graduated from VESIT with BE in Computer Science (8.89 CGPA)

Graduated from VESP with Diploma in Computer Science (96.63%)

EXPERIENCE

Internship at Aerus Infotech from 6/20 to 8/20 on Web Development technologies.

PUBLICATIONS

Financial Calculator using Android
IRJET, April 2021

CERTIFICATES

Oracle Certified Java Developer

CODE-O-FIESTA (College)

SQL

Problem Solving

INTERESTS

Binge watching shows of all the genres, watching football, playing football, Reading novels, Trying various types of food, Travelling, History and Geography nerd, Geopolitics.