Sanjula S

Computer science student passionate about building scalable and user-centric applications.
Mysore, Karnataka | sanjulasudhindra12@gmail.com | +91 7019612411 | LinkedIn | GitHub

EDUCATION

Amrita Vidyalayam, Mysore (2021) | Class 10, Grade: 94.3%

Demonstration School, Mysore (2023) | Class 12, Grade: 92.4%

VidyaVardhaka College of Engineering, Mysore (2027) | Bachelor of Engineering in Information Science Engineering | CGPA: 9.83

SKILLS

Programming Languages: **C** (Proficient), **Python** (Proficient), **Java** (Proficient), **C++** (Familiar), **JavaScript** (Familiar), HTML, CSS

Databases: **MySQL, Oracle Database**

Core concepts: **Data Structures and Algorithms, Object Oriented programming** (OOP)**, Operating System (OS)**

Tools/Technologies: **Git, GitHub, Machine Learning, Basics of Data science**

PROJECTS

YouTube Channel Analytics Project (GitHub) | **Python, Pandas, NumPy, Matplotlib, Seaborn**

Developed a data-driven project analysing YouTube channels to uncover trends in subscribers, earnings, and category performance. Created visualizations to highlight correlations and insights, including geographic impacts and key growth patterns.

Fraud detection system using Machine Learning (GitHub) | **Python, Flask, Scikit-learn, Pickle, GradientBoosting Classifier**

Developed a web-based fraud detection system leveraging machine learning models to predict fraudulent activities based on user input data. Built and trained a classification model using Scikit-learn on a balanced dataset, applying preprocessing techniques such as encoding and feature scaling. Serialized trained models and preprocessing objects (fraud_model.pkl, scaler.pkl, encoders.pkl) for efficient deployment. Designed a Flask web application (app.py) to allow real-time predictions through a simple and interactive user interface.

Weather App (GitHub) | **Java, Servlets, JSP, HTML, CSS, JavaScript, Open Weather API**

Developed a responsive web application providing real-time weather updates for cities worldwide using the Open Weather API. Designed an interactive UI with dynamic weather icons and video backgrounds to enhance user engagement. Implemented a Java based backend with Servlets and JSP for efficient data processing and dynamic content updates

Patient Management System (GitHub) | **Python, Flask, MySQL, mysql-connector-python**

Developed a role-based web application to manage doctors, patients, and medical reports for healthcare institutions. Implemented multi-user authentication with distinct roles (Admin, Doctor, Patient) using Flask-Login. Designed and executed CRUD operations with MySQL database integration. Built dynamic search and sorting functionalities to enhance data accessibility. Delivered a responsive and intuitive web interface using HTML and CSS for improved clinical workflow efficiency.

CERTIFICATIONS

> Pragati: Path to future (cohort 2) Training program by Infosys Springboard
>Programming in C, Python, Git and GitHub, -Infosys Springboard
> Google Cloud Platform Skill badges
>Basics of Java- Coursera
> A-Z Machine Learning Bootcamp- Udemy
> Data Science with Python- Finlatics
> Basics of Python- Hacker rank
>Introduction to Software Engineering- Coursera

HACKATHON/EVENT PARTICPATION

Flipkart Grid 6.0 2.
Hackkshetra by CSE, VVCE
EY Techathon 5.0 (qualified for second round)
Build-IT by IEEE ITS, VVCE
Infosys Springboard Summit, 2024
Google Girl Hackathon 2024 and 2025
Hacxerve by NSS, VVCE
IEEE Megaproject 7.0
Tech Spark Project Expo, VVCE

HONORS AND AWARDS

Won 450+ state and national-level awards in drawing, painting, and singing, recognized for excellence in both visual and performing arts.
Topper of first, second and third semester, Department of ISE, VVCE
Runner up Voice of VVCE 2023