Panchal Rushabh

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Experience

- **Devtown (Remote)**   10 August 2021 - 01 December 2021
  Software Developer (Internship)
  • Data Analysis: Clean, preprocess, and analyze large datasets to extract meaningful insights and patterns Using Python's Pandas and Numpy libraries.

  • Machine Learning: Develop and implement machine learning models for predictive and classification tasks, continuously refining and optimizing them using python's sklearn library.

  • Data Visualization: Create compelling data visualizations to communicate insights effectively using tools such as python's matplotlib and seaborn libries.

  •Web scraping:-We employ web scraping techniques to gather valuable data from websites, which serves as the foundation for building machine learning models, using such as python's libries

  •Documentation: Maintain detailed documentation of your analysis, models, and findings.

- **Sattrix Software Solutions(India)**   16 December 2021 - Present
  Software developer Engineer
  • Develope backend and Python Flask REST API.

  • Create services and shell scripts for specific tasks on a Linux server.

  • Schedule automated Python script execution using crontab job.

  • Successfully resolve backend bugs in a Python Flask application.

  • Crafte optimized SQL and PySpark queries and also work and develope on stored procedures.

  • Making new functionality and modules to enhance our projects

  • Employ web scraping techniques to gather valuable data from websites, which serves as the foundation for building machine learning models, using such as python's libries.

- **Freelancing**   01 March 2022 - Present
  Freelancer
  I provide comprehensive full-stack web development services to clients, assisting them in crafting web applications with responsive and user-friendly interfaces.

Education

- **Vishwakarma Government Engineering College**   2018-2022
  Bachlore of Engineering (ECE)
  7.47 CGPA

Skills

- Programming Languages:-Python,c++, JavaScript
- Markup Languages:-html,css
- Tools & Framework:-Flask,Django,Reactjs,Nodejs, bootstrap
- Databases:-MYSQL,Mongodb
- Automation:-selenium
- General:-OPPS with python,REST APIs

- Others:-Pyspark,Pandas,Numpy, problem solving

Projects

- **Rainy Brain**
Full-Stack Python Flask framework based webapp which is one of the difficult and uncertain tasks that have a significant impact on human society. Timely and accurate forecasting can proactively help reduce human and financial loss. This study presents a set of experiments that involve the use of common machine learning techniques to create models that can predict whether it will rain tomorrow or not based on the weather data for that day in major cities in our country.

  Tech Stack:-
  Front-End: HTML, CSS, Bootstrap
  Back-End: Flask
  IDE: Jupyter notebook, Pycharm
  Data Collection: Rainfall Prediction in Australia dataset from Kaggle

  Model Creation:-
  Different types of models were tried like catboost, random forest, logistic regression, xgboost, support vector machines, knn, naive bayes. Out of these catboost, random forest and support vector machines were top 3 The conclusion were made using classification metrics. roc curve and auc score Model Deployment.
- **Grammario**
Full-Stack Python Flask framework based webapp which is a helpful web app that can correct English sentences for both grammar and spelling mistakes.

  Grammario, is designed to assist users in rectifying grammar and spelling errors in their sentences.

  Tech Stack:-
  Front-End: HTML, CSS, Bootstrap, JavaScript
  Back-End: Flask.

- **ONLINE PIZZA DELIVERY APP UI**
With a foundation in React.js and full responsiveness, this project facilitates item selection, cart management, and the dynamic display of the total cost for the user's chosen items.

Hobbies

- Playing cricket, Reading book, Develope problem solving webapp, Cooking

ACHIEVEMENTS

- I secured the 10th position as a runner in the HACK SVIT Hackathon at my college during the last semester.

  During my present job, I created a Python module that efficiently converts SQL WHERE clause. conditions into Apache Solr's filter conditions.

  During my present job,With the aid of Python and Flask, I successfully implemented Single Sign-On (SSO) login authentication using the SAML protocol.

Social Link

- **Social Links**
GitHub:-https://github.com/Rushee123
LinkedIn:-https://in.linkedin.com/in/rushabh-panchal