Saurabh Prakash

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EDUCATION

Graphic Era Hill University
June 2023

Bachelor of Technology in Computer Science and Engineering | 8.14 GPA
Dehradun, India

TECHNICAL SKILLS

Skills: Python, C/C++, Java, JavaScript, SQL, HTML, CSS, OOPS, SDLC, Database, ML,

Frameworks/ Libraries: Django, Pandas, NumPy, Keras, Tensorflow, scikit-learn

Tools: Visual Studio Code, Insomnia, PowerBI, Git, GitHub, MS Office

OS: Windows, Linux

WORK EXPERIENCE

Internship - Data Science
May 2022 – June 2022

Learn and Build

- Spearheaded end-to-end development of data science solutions, contributing to data cleaning, analysis, feature engineering, model selection, and evaluation.
- Applied Python libraries such as NumPy, Pandas, and scikit-learn to preprocess and analyze large datasets, achieving efficiency improvements.
- Contributed to achieving a team goal of improving model accuracy by 15%.

Internship - Python
May 2022 – July 2022

Cisco Networking Academy

- Applied Python skills to analyze and solve industry problems, showcasing **problem-solving** abilities and **adaptability**.
- Conducted **code reviews**, providing valuable feedback to enhance the quality and efficiency of Python codebases.
- Actively participated in **team discussions**, contributing to improved communication and **teamwork**.

PROJECTS

Fullstack Blog Website | Python, Django, HTML, CSS, JavaScript, MVT

- Developed a full-stack blog platform with user authentication, email verification, and account management.
- Engineered robust search capabilities allowing users to filter content by category, author, topic, and keywords.
- Designed user engagement features including author following and newsletter subscriptions.
- Implemented secure password reset functionality via email for enhanced user account protection.

World Coin Currency Detection | CNN, Python, Tensorflow, Keras, scikit-learn

- Developed a robust deep learning model for predicting the face value of the coin, currency, and country.
- Achieved model accuracy of around 86% on test data by applying image augmentation techniques.
- Successfully classified currencies from 32 different countries across 211 distinct classes.
- Application: This model can be used in vending machines.

Task Management Web Application | Python, Django, HTML, CSS, Database

- Designed and developed a Django-based web app with CRUD functionality for task management.
- Implemented secure user registration, login, and logout functionalities to ensure authenticated access only for registered users.
- Established user-specific task management, ensuring data privacy.
- Utilized Django authentication to restrict access to registered users only.

CERTIFICATIONS

Django Web Framework | Meta
2023

IBM Data Science Professional Certificate | IBM
2023

PCAP: Programming Essentials in Python | OpenEDG Python Institute
2022