DIPEN REDDY PATIL

Cincinnati, Ohio | patildd@mail.uc.edu | portfolio: https://dipenfolio.onrender.com | GitHub: github.com/jred34

Education:

Master of Engineering in Computer Science   08/2023 – 12/2024
     University of Cincinnati, Cincinnati, OH, USA

Bachelor of Engineering in Computer Science   08/2018 – 07/2022
     JSS Academy of Technical Education, Bangalore, India

Skills:

Programming Languages: Python, HTML, CSS
Libraries & Frameworks: Flask, Tkinter, Pandas, Matplotlib, BeautifulSoup, spaCy
Development Tools: GitHub, VS Code, Kaggle, Render, Unreal Engine
Additional Skills: Web Scraping, Data Processing, Automation, GUI Development

Projects(personal/curricular):

- **Resume analyzer:**
    - Implemented the usage of a powerful NLP library called spaCy which helps extracting key Information in the resume.
    - Built a Tkinter-based GUI for interactive user experience.
    - Pandas was implemented for efficient data processing and structured analysis.
- **File system monitor:**
    - Designed a real-time file monitoring tool to track changes such as file creation, deletion and modifications.
    - Implemented using Watchdog for monitoring and Logging module for activity tracking.
    - Integrated **OS module** for user interaction and efficient system operations.

- **Automated data extraction tool:**
    - Built a web scraping tool using BeautifulSoup and Requests to extract structured data from websites.
    - Automated scheduled data retrieval using Windows Task Scheduler.

Internship:

- **Student Technical Assistant – JSS Academy of Technical Education**   12/2021 – 02/2022
    - I collaborated with my fellow peers in assisting the Computer Science faculty with data entry, organizing and documentation for a research project.
    - I helped structure data using basic python scripts and excel sheets.
    - Additionally, I provided minor technical support as well.
    - This helped me gain valuable insight in data support and handling.

Certifications:

- **Completion of the course "Applied data science with Python specialization" on Coursera: -**
This course gave me an in depth look at python libraries like NumPy and pandas which helped me develop a lot of projects. It gave me new founded confidence in working with unknown datasets.
- **Certificate for the course "The complete Python Developer: Zero to Mastery" on Udemy: -**
This comprehensive course helped me in strengthening my core understanding of python and its libraries and tools. Various illustrations on software development using OOP were also stressed.