

Sai Mounika Nedunuri

Contact Number: +91 9550246004

Email: saimounikanedunuri@gmail.com

[Sai Mounika Nedunuri | LinkedIn](#)

[Sai Mounika Nedunuri | GitHub](#)

CAREER OBJECTIVE:

Results-driven professional with expertise in **Python**, **PowerShell**, **API** testing, and code optimization. Seeking a challenging role to leverage skills in efficient tool creation, comprehensive API testing, and collaborative development. Passionate about enhancing code quality and driving project success. Eager to contribute to a dynamic team focused on excellence in software development and automation.

PROFESSIONAL EXPERIENCE:

Capgemini India, Hyderabad - Consultant

2021 Oct - Present

Python Developer

- Collaborated with **Microsoft clients** to design and implement robust data solutions, meeting business requirements.
- Developed a robust search and replace tool in **Python**, leveraging **regular expressions** for efficient JSON data.
- Designed and implemented a **PowerShell** tool to automate the creation of **pull requests** by cloning **repositories**. This streamlined the development workflow, improving efficiency.
- Proficient in testing **REST APIs** using various tools including Postman, **RestClient**, and **function app**.
- Conducted thorough **API** testing for an **Azure Function** App using **Postman**, **localhost**, and Rest Client. Ensured the reliability and functionality of the APIs.
- Rigorously tested the access management UI, ensuring proper implementation of user roles and permissions. Employed various testing techniques for security and usability validation.
- Actively contributed to the codebase and maintained comprehensive **documentation** in the Azure repository. Uploaded code changes, ensuring well-documented and accessible resources.
- Provided **knowledge transfer** sessions to new team members, sharing insights into project architecture, coding practices, and overall workflow. Facilitated a smooth transition for new resources.
- Utilized the **Copilot** extension in coding tasks, an AI-powered coding assistant that provided intelligent code suggestions. Improved code efficiency, consistency, and overall quality.
- Implemented unit testing for APIs using **Pytest**, ensuring the reliability and functionality of the codebase.
- Employed **Pylint** for code enhancement, maintaining code quality and adhering to best practices.
- Integrated **JSON** to Excel conversion functionality in the Azure Function App code, enhancing data processing capabilities.
- Ensured the reliability and security of Azure **Function App APIs** through comprehensive testing.

OpenCV Project: Videos to Frames Conversion, Dynamic Directory Handling:

- Implemented a **Python**-based solution for converting videos to frames, enhancing data extraction capabilities for subsequent analysis.
- Created multiple directories within **directories** dynamically, optimizing the organization of image data for efficient processing.
- Developed a seamless integration with the UI to automatically create folders with the current date when new videos are uploaded, ensuring real-time data management.
- Utilized **Python** to extract image **metadata**, including image size, date, and time, enhancing the granularity of data stored and analyzed.
- Established a connection with Azure Data Lake Storage (**ADLS**) to store organized image folders, ensuring scalable and secure data storage.
- Checked and recorded image details in **Microsoft SQL**, facilitating seamless integration with a centralized database for comprehensive data management.

Sears Holdings India, Hyderabad - Associate Engineer

Pyspark Developer

Oct 2019 - Aug 2021

- Engaged in code **validation** tasks using Databricks.
- Handled data **cleaning** responsibilities, including duplicate removal, for raw datasets.
- Utilized **ADLS** (Azure Data Lake Storage) for data storage.
- Performed query-related tasks using Azure

EDUCATION:

Completed B.Tech in Computer Science at Jyothishmathi Institute of Technology and Science from September 2014 to October 2018.

TECHNICAL SKILLS:

Programming Languages	:	Python, Java, C language
Computer Vision Libraries	:	OpenCV
Database	:	MySQL
Bigdata Framework	:	Spark
Source Control	:	GIT
Operating Systems	:	Ubuntu, Windows
API tools	:	Postman, Rest Client extension
Cloud Platforms	:	Azure