

Shaanmukh Sevellaa

Education

Iowa State University

B.S. in Management Information Systems, Data Science

Expected Graduation: December 2023

GPA: 3.50/4.00 Dean's List: 4

- Technical Skills: Python, Java, JavaScript, SQL, HTML, CSS, Microsoft Office, JAMF, Active Directory, Tableau, Power BI, AWS, Big Query, Data warehouse, Data dictionary, Git/GitHub, Docker, Amazon Quick sight, ServiceNow, API, Data Structures, Algorithms
- Frameworks/Libraries: TensorFlow, PyTorch, Scikit-Learn, OpenGL, NumPy, Pandas, ggplot2, Django, Flask, Matplotlib, React, Seaborn, Keras, Plotly, beautiful Soup, MongoDB, Hugging Face, GPT-3

Experience

Zero-Shot Image Analysis

May 2023

- Researched and implemented a zero-shot modeling approach for image analysis, utilizing deep learning and transfer learning techniques (Hugging Face).
- Developed an algorithm to identify 6-7 features in a dataset of 85,000 neighborhood house images and predict window breakages with high accuracy.

Workiva - Business Intelligence Analyst Intern

May 2022 – December 2022

- Used SQL on PyCharm, DBViz, and Amazon Redshift to solve company issues, innovate new solutions, and generate reports by extracting data from Salesforce and Amazon S3.
- Automated 5+ dashboards that bottleneck multiple employees with their current manual processes freeing up their time.
- Developed WData Chains and queries with SQL to automate the process of presentation updates freeing up 10+ hours of weekly workload for the finance team.

Iowa State University - Student IT Technician

May 2021 – December 2021

- Resolved technical issues for 400 clients in a large department with 2000 systems and 7 sub-departments.
- Improved issue response with ticketing and issue grouping.
- Effectively communicated on phone calls, messages, chatroom, and assisted issues remotely using Bomgar.

Iowa State University - Undergraduate Research Assistant - Python Automation.

May 2021- August 2021

- Automated the VLOOKUP function on excel using Pandas and NumPy libraries in Python.
- Merged two unsorted excel files with 23,000 rows in each excel file.

Projects

Rap Generator - www.github.com/shaanmukh/rap-generator

- Developed an application to analyze and calculate various statistics for rap songs, including average grade level, number of swear words, adlibs, and drug references.
- Utilized the Genius API to fetch lyrics and stored analyzed data in a database, keeping track of songs with the highest count for each statistic.

Path Finder - www.github.com/shaanmukh/Breadth-First-Search---Path-Finder

- Developed a Python program to solve mazes using breadth-first search algorithm and visualize the path using the curses library.
- Demonstrated ability to work with 2D lists and handle console output with curses library.

Web Scrapping - www.github.com/shaanmukh/Webscrapping-GPU

- Developed a web scraping program and tracked Amazon prices for gaming GPUs using beautiful soup library.
- Stored data in a database using SQL and made a report on the price changes.

Coursera Course Analysis Dashboard

- Analyzed MOOC data to compare the popularity of 2 platforms, Coursera and Udemy using Python, SQL, Tableau and GCP.
- Created Big Query dataset and tables and data queried using Python/BQ API.

PDF Text Extraction Engine (PDFTEX) - www.github.com/shaanmukh/PDF-Text-Extraction-Engine

- Designed a Python script using PyPDF2 library to extract and process text, structures, superscripts, subscripts, headers, footers, and page numbers from a 1200-page PDF file.
- Implemented regular expressions (regex) to ensure cleanliness, organization of data while preserving complex formatting.
- Contributed to data management by storing the well-structured output in a text file, showcasing strong problem-solving skills.