

Tangi Ambe

tangi.ambe1@gmail.com | +1 (240) 988-6833 | Frederick, MD 21703

[LinkedIn](#) | [GitHub](#)

SKILLS

- Python
- SQL
- Jupyter Notebooks
- Java
- AWS
- Git
- Tableau
- Data Analysis
- Data Visualization

EXPERIENCE

Cognixia

Data Engineer

Remote, US

Apr 2023-Present

Cognixia's JUMP program is a hyper-intense technical training program that gives top STEM talent from across the U.S. the equivalent of 12-18 months of industry experience.

- Built and maintained scalable Python applications utilizing OOP principles, inheritance, and composition
- Designed and developed efficient ETL processes for data ingestion, integration, and analytics
- Created relational databases using SQL data types and constraints, resulting in more efficient data storage and retrieval
- Utilized RESTful APIs to integrate and communicate with external systems and applications
- Gained experience in AWS cloud computing technologies such as Simple Storage Service (S3) and Lambda

Towson University

Cybersecurity Data Collector

Towson, MD

Jan 2020-Aug 2020

- Procured 800+ system malware instances, enhancing the study's depth and breadth
- Utilized Linux-UBUNTU's Android emulator for efficient malware data collection in research

PROJECTS

Video Games Data Analysis

[GitHub Link](#)

Jupyter Notebook and Tableau Dashboard containing visualizations and insights of video game sales.

- Cleaned a raw CSV dataset file and imported it as a data frame into a Jupyter Notebook
- Utilized different Python data visualization libraries to create a graphical summary of video game insights in various geographic regions
- Created a Tableau Dashboard as an implementation of the visualizations developed.
- Technologies: Python (Pandas, NumPy, Matplotlib, Seaborn), Jupyter Notebook, Tableau, Git

Bookstore API

[GitHub Link](#)

API for a bookstore website that performs REST CRUD operations through different servers.

- Created and populated a bookstore database using SQL
- Built servers to manage product data based book, author, or category
- Implemented User login/sign up using MySQL and Flask
- Technologies: Python, Jupyter NB, HTML, SQL, SQLite, Git, Postman

School Management System

[GitHub Link](#)

ETL Pipeline from an AWS S3 Bucket to a MySQL Database.

- Generated a sample database and CSV files using Google's generative A.I model, Google Bard
- Utilized AWS Lambda to clean raw CSV data, store in a S3 bucket, and load into MySQL database via a lambda handler function
- Designed front-end CRUD web application using HTML templates to handle DML queries on the back-end
- Developed visualizations in a Jupyter Notebook to provide meaningful insights on student data
- Technologies: Python, Jupyter NB, AWS (Lambda, S3), SQL, MySQL, HTML, Google Bard, Git

EDUCATION

Towson University

Bachelor of Science: Computer Science, Software Engineering

- Dean's List
- Vice President of Women in Tech
- Member of Software Engineering Club

Towson, MD

May 2022