

Corey Jones

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Summary

Data and AI Engineer with a background in education, blending strong communication skills with expertise in Python, NLP, and data automation. I build intelligent, user-focused systems that bridge technology gaps that deliver lasting value.

Skills

Technical: Python, SQL, Java, Pandas, Numpy, Playwright, Selenium, PyTorch, Hugging Face, OpenAI, SKL, Power BI, Matplotlib, Domo, Google Cloud Platform, Google Colab, Github

Soft Skills: Communication, Bilingual (English, Spanish), Teamwork, Collaboration, Problem Solving, Long-Term Planning, Conflict Resolution, Adaptability, Cross-Functional Coordination, Technical Communication

Projects

GrantFundingDataPipeline - (github.com/CoreyJness/GrantFundingDataPipeline)

Built an automated ETL pipeline that collects and cleans grant funding data, consolidates it into master Excel files, and uploads results to Google Drive. Integrated Playwright, Google Sheets & Drive APIs, and OpenPyXL for seamless data automation and secure OAuth2 access.

FlashCardGenerator - (github.com/CoreyJness/flashCardGenerator)

Developed a Python script that researches topics, gathers the educational content, and generates AI-based flashcards formatted for popular edTech platforms. Utilized Playwright, Encyclopedia.com, and Gemini API for automated data retrieval and question creation.

Studybot: Common Core Question Classifier - (github.com/CoreyJness/studybot_da_capstone)

Fine-tuned a BERT model to classify questions by Common Core grade level with 70% accuracy. Used Hugging Face, PyTorch, and Scikit-learn for training and Streamlit for deployment in an interactive web app.

Education

University of the Cumberland

Masters of Science in Information Technology

In Progress

Code:You

Data Analysis with Python, Certificate of Completion

March 2025

East Tennessee State University

Bachelor of Arts in Spanish and International Affairs

Work History

Outlier/Alignerr

Remote

AI Trainer

October 2024-Current

- Designed and evaluated tasks to improve AI model reasoning and reliability across multimodal datasets.
- Debugged and analyzed model outputs to identify failure patterns and refine performance.
- Contributed to AI projects involving image recognition and PostgreSQL troubleshooting.
- Maintained a 4.9/5 performance rating for task accuracy and quality.

Burbio

Remote

Data and AI Engineer

April 2025 - July 2025

- Designed machine learning models for document classification, improving efficiency of data processing by 33%
- Built automation bots to streamline dashboard generation in Domo, saving 25 minutes per new client onboarding.
- Designed ETL pipelines for continuous data capture, cleaning, and update validation.
- Collaborated with senior engineers for enterprise level deployment

Letcher County Central High School

Whitesburg, Ky

Language and Literature Teacher

July 2022 - May 2025

- Used common core standards and evidence based teaching, achieving above average teaching evaluations.
- Assisted students and staff with ethical AI solutions
- Implemented AAPPL exam for national recognition, achieving results above that of the national average for first year students.