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# EDUCATION

**W. P. Carey School of Business at Arizona State University**  June 2025 Master of Science in Artificial Intelligence in Business Tempe, Arizona

* Relevant Coursework: Machine Learning in Business, Enterprise Data Analytics, Python for Data Analytics, AI Business Strategy, AI in Business

**Ashesi University**  June 2021 Bachelor of Science, Management Information Systems Accra, Ghana

* Honors: 3.73 GPA; Dean’s List; Magna Cum Laude
* Relevant Coursework: Calculus, Statistics, Data Science, Computer Programming for CS, Database Systems

# PROFESSIONAL EXPERIENCE

**AI Acceleration Analyst** August 2024 – Present

Enterprise Technology at Arizona State University Tempe, Arizona

* Built a custom Large Language model for 1000 academic researchers to summarize literature review, suggest further research areas, and provide quality references, which increased researchers’ productivity by 50%.
* Designed and implemented a study tutor for 70,000 students using Generative AI, which helped students recall class content and improve overall retention.

**AI Data Analyst** March 2024 – August 2024

Nteasea AI in Healthcare Lab Remote

* Processed and organized over 100,000 lines of video transcripts from AI and Health experts for a qualitative analysis study on AI’s impact in Africa's Healthcare System, enhancing data retrieval efficiency and streamlining data organization.
* Conducted detailed thematic analysis of the transcripts with excel, identifying key trends and insights that shaped the direction of future AI and healthcare research initiatives.
* Authored and published a research paper, effectively communicating complex insights to stakeholders, expanding Health AI references in Africa by 5%

**AI Software Engineer** September 2022 – March 2024

Google Research Accra, Ghana

* Conducted hypothesis testing to validate model improvements, enhancing the performance of Google's global flood forecasting model by recovering 30% of previously discarded gauge records.
* Improved the efficiency of river gauge records storage by 12% through the implementation of a feature to store training and evaluation sets in smaller chunks, enabling the scalable storage of an unlimited number of river gauges.
* Developed and deployed an end-to-end data ingestion automation system, cutting data ingestion time by 50% and improving overall workflow efficiency.
* Collaborated with a team of data scientists to develop and deploy geospatial machine learning models in production using JAX, Flax, Pandas, NumPy, and scikit-learn, analyzing over 500,000 time series records to derive actionable insights.

# PROJECT EXPERIENCE

**YouTube Trends Exploratory Data Analysis** April 2024 – May 2024

* Created an end-to-end project, including the creation of a data lake using AWS tools, designing ETL processes, and integrating Spark and BI tools for comprehensive data management and analysis.
* Created a BI dashboard to assist ad companies in comprehending the popularity factors of YouTube videos.

**Sentiment Analysis on COVID-19 Tweets** February 2021 – March 2021

* Achieved 2nd place in a COVID-19 vaccine sentiment analysis hackathon utilizing BERT model for tweet analysis.
* Presented and highlighted the analysis findings, showcasing strong expertise in Natural Language Processing.

# SKILLS & ACTIVITIES

* **Technical Skills:** Python, Tableau, TensorFlow, Pandas, Numpy, Matplotlib , SQL, AWS, Machine Learning, Data Visualization, Statistical Analysis.
* **Certificates:** Neural Networks and Deep Learning Course ([Certificate](https://coursera.org/share/9d6ceed274a2463b19afe1fa23bab4a6)) - DeepLearning.Ai , SQL for Data Science Course by University of California, Davis,
* **Interests:** Astrophysics, Philosophy, Health, Psychology