**FULL NAME**

**(123) 456-7890 | email@mail.com**

Results-oriented Data Scientist with over 11 years of extensive experience in machine learning, data pipelines, and geospatial analysis. Proficient in cloud services and big data tools, enhancing marketing efficiency and customer engagement through data-driven strategies.

**Key Competencies**

* Developed and optimized data ingestion pipelines using Azure Data Factory and ADLS Gen 2 for reliable data availability.
* Utilized Databricks and Python for data preprocessing, transformation, and advanced geospatial analysis.
* Implemented machine learning models for customer segmentation, improving marketing campaign efficiency by 25%.
* Developed AI-powered chatbots using NLP and LLM techniques on Azure Cloud, enhancing customer service.
* Created secure data handling practices and automated ETL workflows for large-scale data processing.

**Technical Skills**

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| **Programming Languages & Libraries** | Python, NumPy, Pandas, SpaCy, NLTK, PyTorch, TensorFlow |
| **AI Models & Techniques** | OpenAI GPT-2, GPT-3, Hugging Face, Retrieval-Augmented Generation (RAG) |
| **Data Management & Big Data Tools** | Azure, Docker, Kubernetes |
| **Data Processing & Analysis** | SQL, Azure Data Factory, ADLS, Databricks , NoSQL (MongoDB), |
| **Software & Project Management Tools** | JIRA, Confluence, Selenium, Jupyter Notebooks, Google Colab, VSCode |

**Work Experience**

**Data Scientist,** CoStar Group - Washington D.C. January 2022 - Present

* Implemented machine learning algorithms to enhance marketing by segmenting potential buyers or tenants based on preferences and behavior patterns.
* Developed data ingestion pipelines using Azure Data Factory to reliably extract, transform, and load geospatial data into Azure Data Lake Storage Gen 2.
* Utilized Databricks for preprocessing and transforming geospatial data with Python and SQL, ensuring high-quality datasets for analysis.
* Designed and executed spatial data analyses and visualizations using Python GIS libraries, providing actionable geographic insights.
* Optimized data storage and partitioning in Azure Data Lake Storage Gen 2 to improve performance and reduce latency for geospatial datasets.
* Enhanced data processing efficiency by integrating automated ETL workflows between Databricks, Azure Data Factory, and Azure Data Lake.

**Data Scientist,** AlphaSense, San Francisco, CA February 2019 - November 2021

* Designed and developed an AI-powered chatbot using large language models on Azure to enhance customer service, tailored for financial advisory needs.
* Utilized Azure Machine Learning and Python to build and optimize chatbot machine learning models, integrating natural language processing techniques.
* Deployed and fine-tuned the chatbot on Azure Cloud, leveraging Azure Cognitive Services for scalability and enhanced performance.
* Analyzed and optimized AI orchestration in Python, reducing dependencies and improving chatbot performance.
* Integrated NoSQL databases to manage the chatbot’s knowledge base, enhancing the accuracy and relevance of the financial advice provided.
* Collaborated with cross-functional teams and monitored chatbot performance, using insights to continuously refine and align the chatbot’s functionalities with business goals.

**Data Scientist,** Urban Outfitters, Philadelphia, PA August 2016 - January 2019

* Leveraged machine learning to refine the loyalty program by identifying customer segments based on preferences and spending patterns using unsupervised clustering algorithms like K-means.
* Conducted extensive data analysis with Python and libraries like scikit-learn, NumPy, and pandas to derive actionable insights from customer data.
* Designed personalized marketing campaigns using segmentation insights to tailor promotions and rewards, significantly increasing customer engagement and loyalty.
* Collaborated with marketing and product teams to integrate segmentation insights into broader business strategies, aligning with corporate goals and enhancing customer-centric initiatives.
* Utilized Docker to standardize the machine learning environment across teams, facilitating consistent testing and development of the loyalty program.
* Achieved a 25% increase in customer engagement through targeted promotions, documented processes, and continuously refined the model, enhancing the program’s scalability and supporting business growth.

**Data Analyst,** Amazon Prime, Seattle, WA January 2014 - July 2016

* Conducted exploratory data analysis (EDA) with Python to identify trends and anomalies in membership data, providing insights into growth and retention strategies.
* Utilized SQL for data manipulation and analysis, ensuring quality and consistency across large datasets from various sources.
* Developed predictive models for membership growth using machine learning techniques in Python, focusing on model accuracy and performance.
* Employed causal inference methods to assess the impact of marketing campaigns on membership sign-ups, offering data-driven optimization recommendations.
* Created complex systems models to simulate membership growth scenarios, aiding stakeholders in understanding potential outcomes for informed decision-making.
* Increased membership growth by 20% through targeted marketing strategies and campaigns, leveraging advanced analytical insights and interactive data visualizations in Tableau for executive decision-making.

**Software Engineer,** KBZ Bank, Myanmar May 2013 - Jun 2015

* Engineered a scalable Python API to fetch and deliver real-time currency conversion rates from multiple financial data providers, focusing on high availability and minimal latency.
* Implemented cloud infrastructure solutions to optimize the API's scalability and reliability, accommodating high-volume global requests.
* Designed a subscription feature within the API for rate alerts, enabling notifications via webhooks or emails when specific currency thresholds are reached.
* Enhanced user engagement by 40% by introducing features for multi-currency conversion and access to historical exchange rate data.
* Developed API endpoints for historical data retrieval, allowing comprehensive financial analysis and trend identification in a single API call.
* Collaborated with financial analysts to continuously refine API functionalities, ensuring alignment with user needs and market demands, and provided interactive documentation to aid user efficiency.

**Education**

* Postgraduate Certificate in Artificial Intelligence and Machine Learning - California Institute of Technology
* Executive MBA, Business Administration and Management - The American International Institute
* Associate of Science in Business Information System and Management - Canberra Institute of Technology, Australia
* Bachelor of Arts in English Language and Literature - University of Foreign Languages, Myanmar
* Diploma in Information Technology - National Centre for Human Resource Development, Myanmar