

An Engineer with 3+ years in scalable data pipelines, machine learning solutions, and real-time analytics, primarily with AI-driven platforms. Strong communicator, experienced in cross-functional collaboration with engineers, product teams across globe, and domain experts to deliver impactful, data-driven results.

SKILLS

Programming & Tools	Python, SQL, R, Git, Bitbucket, FastAPI, Docker, Jira (Agile, Kanban), Confluence, STATA
Machine Learning & AI	PyTorch, TensorFlow, Transformers, BERT, LLMs, LangChain, RAG, AI Agents
Data Engineering	ETL Pipelines, Confluent Kafka, RabbitMQ, SQL Server, PostgreSQL, MongoDB, Neo4j, FAISS
Cloud Platforms	Azure (AI Foundry, OpenAI, Blob Storage), AWS (Lambda, Redshift, CloudWatch, S3, DocumentDB)
Visualization & Analytics	Power BI, Tableau, Cube BI, DOMO, Matplotlib, MATLAB
Collaboration	Cross-Functional Collaboration, Engineering-Product Integration, Fluent English

TECHNICAL EXPERIENCE

AI Programmer
Acts4Unity Foundation

Feb 2025 — Present
Palo Alto, California

- Developing a multi-modal AI video agent for mental health support using D-ID, Gemini LLM, and Wav2Vec.
- Implemented facial expression analysis and micro-expression detection for emotional intelligence.
- Integrated secure databases to track emotional analytics and improve conversational AI capabilities.

Data Science Intern
Tricon Infotech LLC

May 2024 — Jul 2024
Hoboken, New Jersey

- Built an AI-driven educational content tagging system, automating classification with 95% accuracy using GPT and Neo4j.
- Developed NLP pipelines using BERT embeddings integrated into a knowledge graph, enhancing content retrieval by 100%.
- Created a Gemini-powered chatbot translating natural language into Cypher, improving query response time by 70%.
- Collaborated closely with cross-functional stakeholders and engineering teams, refining algorithms based on real-time feedback.

Data Engineer(Contract)
HealthEdge

Jan 2023 — Jun 2023
Alexandria, Virginia

- Engineered HIPAA-compliant real-time EMR data pipelines for health claims processing, improving transaction efficiency by 90%.
- Automated SQL stored procedures handling 1M+ transactions weekly, reducing data latency significantly.
- Designed scalable streaming solutions with Azure, Kafka; enhanced issue detection with DataDog, reducing downtime by 40%.
- Integrated unit tests and automated deployments, enhancing pipeline reliability and production stability.

Data Engineer(Contract)
Informa (IIRIS)

Apr 2022 — Jan 2023
New York, New York

- Built AWS-based Spark ETL pipelines, integrating data from 50+ global events into DOMO BI with 100% validation accuracy.
- Created governance dashboards resolving critical data leakage, ensuring accurate and reliable reporting.
- Led migration of 10M+ records from DocumentDB to PostgreSQL, tripling performance and reducing costs by 25%.
- Automated real-time data quality alerts via Microsoft Teams integration, reducing resolution time by 99%.

Business Analyst & Operations Support
Santhoshi Enterprises

Jan 2019 — Mar 2022
Hyderabad, Telangana

- Analyzed sales data and customer behaviors, leading to the launch of a second store, increasing revenue by 25%.
- Designed inventory management systems, reducing stock shortages by 30% and improving availability to 95%.
- Collaborated with procurement and management teams, streamlining operations and enhancing customer satisfaction.

EDUCATION

Master of Science in Data Science, University of Arizona	Aug 2023 - Dec 2024
Bachelor of Technology in ECE, Jawaharlal Nehru Technological University	Jul 2018 - May 2022
Graduate Certificate in Natural Language Processing, University of Arizona	Jan 2024 - Dec 2024

PROJECTS

- Restaurant Chatbot | MenuData.ai
 - Deployed a conversational AI chatbot integrating real-time external sources via Retrieval-Augmented Generation (RAG).
 - Implemented FAISS and Sentence Transformers for efficient data retrieval, enhancing recommendation accuracy.
 - Deployed a Streamlit-based interactive interface for dynamic restaurant discovery and analytics.
- Content Retrieval with Azure Cognitive Search| McGraw Hill Education
 - Developed scalable semantic search using Azure Cognitive Search, improving search relevance and user experience.
 - Automated indexing and querying via Azure Functions, achieving serverless scalability and efficiency.