

SUMMARY

Dynamic Machine Learning Engineer with 6+ years of experience building and deploying AI-driven solutions including LLM fine-tuning, AI agents, and scalable ML workflows. Skilled in Python, LangChain, MCP (Model Context Protocol), FastAPI, Docker, and Kubernetes for creating chatbots, recommendation systems, and automated decision-support applications. Expertise in prompt engineering, model optimization, and microservices architecture to deliver real-time, data-driven insights for enterprise solutions. Adept at collaborating with cross-functional teams to align AI capabilities with business objectives.

SKILLS

• Machine Learning:	LLM Fine-tuning, Prompt Engineering, NLP, AI Agents, Generative AI, Recommendation Systems
• Analysis & Reporting:	Excel (Pivot Tables, VLOOKUP, Macros), Power BI, Tableau, SQL
• Languages & Frameworks:	Python, FastAPI, LangChain, LangGraph, MCP, PyTorch, scikit-learn
• APIs & Orchestration:	REST APIs, MCP Integration, LangChain Workflow Automation
• Cloud & Deployment:	Azure, AWS S3, Docker, Kubernetes, CI/CD Pipelines
• Visualization:	Tableau, Power BI, Matplotlib, Seaborn
• Data Engineering:	Databricks, Apache Spark, Snowflake, ETL Automation (Azure Data Factory)
• Collaboration Tools:	JIRA, Confluence, MS Project, Microsoft Teams
• Version Control & Tools:	Git, JIRA, Confluence, Agile/Scrum

EXPERIENCE

Honda Motors,	
Data Scientist	Aug 2021- Current
<ul style="list-style-type: none">Designed and deployed LLM-powered chatbot prototypes to automate financial reporting queries, enabling natural language interaction for internal stakeholdersPerformed source-to-target data mapping and built OLAP models in Snowflake and Power BI to enhance financial reporting performanceBuilt AI agent workflows leveraging LangChain and MCP tools for dynamic data retrieval, integrated with FastAPI for scalable API servicesFine-tuned Large Language Models for domain-specific tasks (financial queries, sales forecasting), optimizing response accuracy and latencyCollaborated with senior managers to define data priorities and deliver impactful insights that supported sales and product initiativesManaged large data sets using SQL and Snowflake, identifying key areas for growth and optimization in sales and client interactionsDeveloped microservices architecture with FastAPI and deployed containerized ML solutions using Docker and Kubernetes, ensuring high availability and scalabilityConducted root cause analysis on warranty-related datasets using SQL and Snowflake, identifying inconsistencies in cash flow data and improving attribution accuracy by 30%Automated ETL pipelines in Azure Data Factory for ingesting structured and semi-structured data, reducing manual effort by 60%Leveraged Excel (pivot tables, VLOOKUP) to enrich claim data, resolving inconsistencies and supporting supplier attribution effortsDeveloped real-time monitoring dashboards in Power BI and Tableau for model performance tracking and business KPIs	
NextGen Healthcare	
Data Analyst	Feb 2020 - Aug 2021
<ul style="list-style-type: none">Implemented a customer segmentation model using clustering algorithms in Python, enhancing targeted marketing efforts and increasing customer engagement by 25%.Migrated legacy warehouse to Snowflake and Databricks, improving query performance and data access	

- Authored user stories and functional documents; collaborated with developers to meet evolving business requirements.
- Created and maintained automated reporting processes in Power BI, Tableau, and Looker, delivering actionable insights to internal stakeholders and aligning with business needs.
- Conducted data cleansing and transformation processes to improve data quality, resulting in a 35% reduction in data-related issues.
- Utilized SQL to perform complex queries and analyses, providing insights that informed product development and strategic planning
- Performed root cause analysis on CRM data discrepancies using SQL and Python, identifying patterns in incomplete datasets and improving data quality by 35%.
- Designed ETL processes to integrate CRM data into Snowflake, ensuring seamless data flow for warranty-like claim analysis.
- Developed SQL-based data models to support automated reporting pipelines and drive operational efficiencies.
- Integrated Amazon S3 and Teradata for large-volume reporting pipelines using SparkSQL and T-SQL
- Partnered with product teams to analyze user data and identify key trends, contributing to a 10% increase in user retention.
- Collaborated with product teams to validate data insights and document assumptions, aligning analytics with business recovery objectives.

Phoenix Technologies

Business Analyst

Sep 2018 - Jan 2020

- Led requirement gathering sessions and produced detailed BRD sand FRDs to guide development efforts.
- Documented project documentation, including BRDs, FRDs, and user manuals, ensuring clarity and alignment with project objectives.
- Utilized SQL and PowerBI for financial data analysis, providing valuable insights for decision-making.
- Collaborated closely with stake holders to analyze business requirements and propose innovative solutions, fostering stake holder engagement and buy-in.
- Partnered with product and sales teams to create data-driven **client engagement strategies**, contributing to a 15% increase in platform adoption.
- Developed **interactive Tableau dashboards** to track KPIs and performance metrics, enabling data-driven decision-making across the business.
- Supported financial and retail analytics initiatives; ensured alignment between business and technology functions
- Introduced the use of R for advanced statistical analysis, leading to more accurate forecasting and data interpretation.
- Improved operational efficiency by 20% through the implementation of BI solutions, optimizing business processes and reporting solutions, ensuring alignment with organizational goals
- Demonstrated ability to work cross-functionally and respond to **ad hoc data requests**, reprioritizing to support urgent business needs
- Utilized SQL and Power BI to analyze financial datasets, identifying unmapped claims and supporting cost recovery strategies with actionable insights.
- Collaborated with product and recovery teams to validate business requirements and document mapping assumptions, contributing to a 15% increase in platform adoption.

EDUCATION

Masters in Information Systems

Stevens Institute of Technology, Hoboken, New Jersey

Bachelors in finance Market

University of Mumbai, India