

SUDHANWA KAVEESHWAR

AI Engineer | AI Agent Development | AWS LLM Integration | Generative AI Expertise

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Pune - 411014, Maharashtra

EXPERIENCE

Data Scientist

Bajaj Finserv Health

2024 - Present Pune, India

- Engineered a Kafka-based streaming pipeline, enabling real-time data flow to Power BI and powering live dashboards with <5s insight latency.
- Streamlined Airflow orchestration for data mart creation by enabling concurrent execution of multiple Azure Databricks jobs with dependency-aware scheduling, reducing refresh time by 67% (3 hrs → 1 hr) and ensuring 9 AM SLA compliance for MIS and business reports.
- Implemented ETL pipeline with Azure Databricks & SQL, reducing revenue processing time by 85%. Enhanced Power BI reports with trend analysis. Improved data accuracy by 70% through stakeholder collaboration.
- Constructed a cross-sell recommendation engine using Neo4j, leveraging historical booking transactions and user activity data, which deployed targeted offers and intelligent bundling strategies to drive a 27% lift in GMV.
- Delivered an AI-powered analytics platform for non-tech users with LLM insights, persona analysis, data summarization and agent-driven exploration, improving self-serve analytics adoption by 3x.

Associate Data Scientist

Bajaj Finserv Health

07/2023 - 10/2024 Pune, India

- Built and tested a scalable Azure ETL pipeline to store 50+ KPIs in MySQL. Delivered insights via Power BI dashboard for visualization. Mechanized reporting workflows, boosting data accuracy and availability by 70%.
- Architected a high-throughput Python ELT pipeline to extract over 1 million rows from Google BigQuery into Azure Data Lake, leveraging multiprocessing and batch processing to achieve an average ingestion time of under 10 minutes.
- Created a flexible backend for AI bots integration, deployed OpenAI Assistant for lab bookings and triage, and established monitoring databases, cutting booking times by 30% and boosting triage accuracy by 20%.
- Devised scalable backend for LLM models with conversation history and session tracking, added file upload with automated insights, and enabled agent-based creation, increasing self-serve insight generation by 60%.
- Formulated a Lab Service Excellence Score to evaluate labs on price, volume, coverage, and catalog diversity, integrating it into booking to boost high-performing labs and improving user experience and efficiency by 30%.

Data Science Intern

Bajaj Finserv Health

07/2022 - 07/2023 Pune, India

- Developed a configuration-driven ETL pipeline with Azure Data Factory. Consolidated datasets into data marts, reducing query time by 65% and lowering costs.
- Orchestrated an archival pipeline to compress and migrate aged transactional datasets to Azure Blob Cold Storage, slashing data storage costs by 40% while maintaining full accessibility for audits.
- Enhanced query costs by 20% and execution time by 15% through data models and data marts development.

PROJECTS

Automated Flight Data Pipeline

- Developed ETL pipeline using Airflow, Spark, PostgreSQL, and S3 with Medallion architecture. Orchestrated tasks with Airflow, transformed data using Spark. Ensured reliability with configuration management, error handling, and PostgreSQL logs for traceability.

Mind scope

- Published a modular Python package using LLMs for persona-aligned insights, EDA, and visualizations. Features summarizer, persona-modeling, **goal-generation** modules, and **10+ deployable personas**.

EDUCATION

Bachelor of Technology In Computer Science

Acropolis Institute of Technology and Research

2023 Indore

SUMMARY

AI engineering professional with over 3 years of experience in data engineering and AI agent development, expert in Python and Generative AI technologies. My key achievements include reducing revenue processing time by 85% through optimized ETL pipelines with Azure Databricks & SQL, and enhancing user engagement by deploying AI-powered Assistant Bots that completed 5+ user journeys across 2 channels, resulting in a 30% boost in operational efficiency. Seeking an AI Engineer position at Dassault Systèmes, where I can leverage my expertise in AI development and data engineering to support your mission of fostering inclusion and innovation in sustainable technology.

KEY ACHIEVEMENTS



NLP Solutions Implementation

Implemented NLP solutions increasing self-serve analytics adoption by 300%, enhancing user insight generation.



Python Data Ingestion Efficiency

Achieved Python data ingestion under 10 minutes for over 1 million rows, enhancing data processing efficiency.



AI Assistance Efficiency

Created AI-powered assistance, completing 5+ user journeys and boosting operational efficiency by 30%.

SKILLS

Database and Data Store

MySQL, Postgres DB, Blob Storage, Delta Format, AWS S3, Parquet Format, Azure Blob Storage, Flask, Problem-Solving, Integrity, Strategic Thinking RDS, S3, Serverless, IAM, Data Structures, Modular, AWS Services, Amazon S3, Fargate, Interpersonal Skills

Languages and Libraries

Python, SQL, Pandas, Pydantic, LangChain, Streamlit, HuggingFace, OpenAI SDK, SQLAlchemy, FastAPI, Communication, Adaptability, NLP,

Tools

Git, Docker, Azure Data Factory, Airflow, Kafka, Azure Databricks, PowerBI, Synapse, MySQL Workbench, PgAdmin, Azure Cloud, AWS Cloud, AWS Redshift, AWS Lambda

Technologies

Generative AI, LLM, Prompt Engineering, RAG, Agentic AI, Kubernetes, Spark, Azure Delta Lake Services, GCP, AWS,

CERTIFICATIONS

Databricks Fundamentals Accreditation

Databricks

Python Basics for Data Science

IBM