Mohammad Ansari

Machine Learning & Software Engineer

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Professional Summary

Results-driven Software Engineer with expertise in Machine Learning, Generative AI, and Data Engineering. Proven ability to build end-to-end ETL pipelines, serverless architectures, and scalable notification systems. Strong background in AWS, Azure, MongoDB, and MySQL with a track record of delivering automation, chatbots, and reporting solutions that drive measurable business impact.

Experience

Colabtools – Software Development Engineer I (Jan 2025 – Present)
- Designed and implemented end-to-end ETL pipelines for large-scale data ingestion and transformation.
- Built and deployed a serverless notification system using AWS Lambda, SQS, and SNS for event-driven workflows.
- Developed scalable data storage and processing solutions leveraging AWS S3, RDS (MySQL), Step Functions, and Azure Data Lake.
- Automated monitoring and error handling for data pipelines, improving system reliability and reducing downtime.

Neuraleap Technology – Machine Learning Engineer (Jul 2024 – Jan 2025)
- Developed and deployed Generative AI workflows and chatbots for enterprise use cases.
- Automated end-to-end order processing, reducing manual workload from 4–8 hours to just 5 minutes.
- Built and launched a chatbot that increased customer engagement, boosted sales, and efficiently handled heavy customer loads without downtime.
- Implemented notification enrichment pipelines with MongoDB + AWS Step Functions for automated reporting.
- Created dynamic email generation using Mustache-based templating (chevron).
- Built and optimized data pipelines and dashboards for business reporting and progress tracking.

Projects & Highlights

- Designed and deployed ETL pipelines across AWS and Azure for scalable data processing.
- Built a multi-stage event-driven notification system integrated with MongoDB, SQS, and AWS Lambda.
- Developed Generative AI chatbots and workflow automation tools for business operations.
- Implemented automated reporting solutions (PDF/Excel) with audit logs and progress tracking.

Technical Skills

Languages: Python, SQL, JavaScript
Cloud & Data: AWS (Lambda, S3, RDS, Step Functions, SQS, SNS), Azure Data Lake, MongoDB, MySQL
ML/AI: Generative AI, LLMs, Multi-agent Systems, Chatbot Development
Tools: Git, Docker, Streamlit, Mustache (chevron), Pandas
Other: ETL Pipelines, Serverless Architectures, Notification Systems

Education

Degree in Electronics and Telecommunications – Mumbai University
Diploma in Electronics and Telecommunications – M.H. Saboo Siddik Polytechnic