

Ganesh Neelakanta

neelakantaganesh@gmail.com | +91 9010999523 | linkedin.com/in/neelakanta-ganesh |
github.com/neelakantaganesh23

Objective

A Data and AI Engineer with hands-on experience in building data pipelines, developing machine learning models, and working with Generative AI. Proficient in Python, SQL, and cloud platforms, seeking to apply my technical skills to solve challenging problems and contribute to innovative AI/ML projects.

Experience

Anblicks

Hyderabad, Telangana

Junior Data Engineer

June 2023 – Present

- Contributed to the development of sophisticated AI applications for marketing and content operations, gaining practical experience in Generative AI and large-scale automation systems.
- Implemented key features for a multi-AI model system using Azure OpenAI and Google Gemini to automate marketing content creation across email, mobile, and SMS channels.
- Worked on a multilingual translation and text-to-speech (TTS) system using Google Cloud APIs, helping to build a tool capable of processing content in over 130 languages.
- Implemented a production-ready Retrieval Augmented Generation (RAG) pipeline for an intelligent HR chatbot, integrating Databricks, Snowflake, and Microsoft Active Directory.
- Developed and deployed time series forecasting models for Snowflake credit usage using ARIMA, SARIMA, and XGBoost to help predict and manage cloud costs.
- Presented a knowledge-sharing session on Azure AI Studio to the organization and assisted colleagues in preparing for the Snowflake certification.

Anblicks

Hyderabad, Telangana

Data Engineer Intern

January 2023 – May 2023

- Gained practical experience with Python, SQL, Snowflake, Azure Data Factory (ADF), Power BI, and Data Warehouse concepts through a structured training program.
- Designed and developed a complete ETL pipeline project for retail sales data, which successfully demonstrated the application of learned technologies and led to a full-time position.

Key Projects

AI-Powered Creative Copy Agent (Project Contributor)

- Contributed to a system that auto-generates marketing copy using Azure OpenAI and Google Gemini. Focused on building components for data enrichment and content generation across multiple channels.

Multilingual AI Voice-Over Pipeline (Project Contributor)

- Worked on a system to translate and generate high-quality audio for training materials in 130+ languages, implementing features for the keyword preservation engine and audio synthesis.

HR Chatbot with RAG Pipeline (AI/ML Developer)

- Developed and integrated a RAG pipeline on Databricks. Built features for the user interface using React and FastAPI and connected to Snowflake for chat history and Active Directory for authentication.

SnowGov - Organizational Resource Management Platform (Key Contributor)

- Took initiative to design the initial project architecture and collaborated with team members to build a platform in Streamlit for managing Snowflake resources, contributing to the team winning the Anblicks-Snowflake Hackathon.

Skills

- Programming Languages:** Python (Advanced), SQL (Expert), PySpark, JavaScript/React (Intermediate)
- Data Engineering:** Apache Spark, ETL/ELT Pipeline Development, Data Warehouse Design
- Cloud Platforms:** Snowflake, Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP)

- **AI & Machine Learning:** Retrieval Augmented Generation (RAG), Large Language Models (LLMs), Natural Language Processing (NLP), Scikit-learn, Time Series Forecasting (ARIMA, SARIMA, XGBoost)
- **Development Tools:** Git, Docker, FastAPI, Streamlit, Databricks, Azure Data Factory
- **Soft Skills:** Problem-Solving, Team Collaboration, Presentation Skills, Adaptability, Initiative

Awards and Recognition

- **Rookie Award** | Anblicks Euphoria 2024 – Recognized for outstanding performance, passion, and contributions.
- **Hackathon Winner** | Anblicks-Snowflake Hackathon – Key contributor to the winning 'SnowGov' project team.
- **Google Cloud Skills Boost** – Earned 21+ skill badges for hands-on cloud training and development.

Certifications

- **Snowflake SnowPro Core Certification** (Score: 94%)
- **Microsoft Azure Fundamentals (AZ-900)**

Additional Training & Coursework

- BUILD 2023 LLM Bootcamp
- Generative AI Fundamentals
- Data Science and Machine Learning Track
- Database Programming with SQL
- Google Cloud 30-Day Challenge (GDSC)

Professional Engagement

- Actively participate in industry events and technical conferences hosted by Microsoft Azure, Snowflake, and AWS to network with experts and stay current with emerging technologies.

Education

CVR College of Engineering

Bachelor of Technology in Electronics and Communication Engineering
CGPA: 8.24/10

Hyderabad, Telangana
2019 – 2023