

# Sagnik Kundu

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## Summary

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A Generative AI developer with around 4 years of experience in the IT industry. Proven expertise in **Python, Databases, Cloud technologies, Generative AI and Agentic AI**. Currently working as a Consultant at **Capgemini**.

## Technical Skills

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**Languages** : Python, SQL.  
**Frameworks** : Agentic AI, AI Foundry, Langchain, LangGraph, LLMs, Vector Database, Databricks Unity Catalog, RAG, Pyspark, Agile.  
**Development Tools** : Linux, SDLC, JIRA, Git, Google Cloud Platform, AWS, Testing, Excel sheet.  
**Documentation Tools** : Microsoft Office, LibreOffice.  
**Libraries** : Langchain, Langgraph, FastMCP, Pandas, Openai, Matplotlib, Scikit-Learn, Psycopg2, Ssqlalchemy.  
**Beginner** : Django, Data Science.

## Experience

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**Consultant** June 2025 - Present  
*Capgemini* Gurugram, Delhi NCR

- **Built and productionized Generative AI** platforms using **Azure OpenAI, AWS Bedrock, Gemini Pro, NVIDIA NIMs, and LangChain**, delivering **RAG-based LLM applications** with improved factual grounding and response reliability.
- **Designed agentic LLM systems** leveraging **LangChain Agents** and **custom MCP servers**, enabling autonomous tool execution, multi-step reasoning, and scalable workflow orchestration.
- **Implemented a custom MCP integration with Databricks Unity Catalog**, enabling secure, governed LLM access to Unity Catalog tables for real-time data retrieval and context augmentation.
- Scaled multi-cloud LLM infrastructure optimizing inference latency, GPU utilization, and cost efficiency.

**Programmer Analyst** Oct 2022 - May 2025  
*Cognizant* Noida, Delhi NCR

- Utilized **Azure OpenAI, LangChain, GPT3.5, AWS Bedrock and Gemini Pro LLMs for GenAI** development.
- Developed GenAI based **Chatbot and Standardization techniques** and **RAG** pipeline.
- Developed **SQL** queries to optimize performance for high-volume data using **PostgreSQL** DB.
- Ensured adherence to security standards such as **SAST, Checkmarx, SONAR, and Black Duck** validation rules.
- Utilized **Python** to work with **Oracle, MS SQL server databases** techniques, thereby working with multiple database connections seamlessly.
- Using **Python** identified data lineage by taking data from different databases.
- Leveraged **Python** to extract, transform, and analyze metadata from **Teradata, Oracle, and MS SQL Server** databases, identifying key volumetric insights across diverse client environments to support strategic data migration initiatives.
- Managed my team during onshore client engagement and actively participated in various client interactions.

**Big Data Intern** Mar 2022 - Aug 2022  
*Cognizant* Bangalore, Karnataka

- Worked with **Big Data** technologies and **PySpark**.

## Education

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**University of Engineering and Management**

*B.Tech(Honours), Computer Science and Engineering — 9.32 out of 10 CGPA*

Kolkata, West Bengal

2018 - 2022

**Salt Lake Point School**

*Higher Secondary(ISC), Science — 91%*

Kolkata, West Bengal

2017 - 2018

**Salt Lake Point School**

*Secondary(ICSE), Science — 92%*

Kolkata, West Bengal

2015 - 2017

## Certification

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**Google Cloud Certified Professional Developer** — *by Google Cloud* (March 2024)

**Full Stack Data Science** — *by Jigsaw Academy* (June 2022)