

Sneha Agarwal

github | LinkedIn | sneha221agarwal@gmail.com | +91 7617516248

Summary

Google-Certified Data Analyst with hands-on experience in Python-based automation, machine learning, and data analytics. Skilled in building scalable applications and implementing AI/ML integration to drive operational efficiency and data-driven decision-making. Committed to supporting continuous delivery and infrastructure optimization within fast-paced, Agile environments.

Core Competencies

Programming & Development: Python, Java, SQL, DSA

Cloud & DevOps: AWS, Docker, GitHub Actions, CI/CD Basics

AI/ML: ML, Deep Learning, Generative AI, RAG, Prompt Engineering, Agentic AI

Data & Visualization: PowerBI, Tableau, Excel

Tools & Frameworks: FastAPI, REST APIs, API Integration

Work Experience

Software Engineer Intern

MAQ Software | May 2025 - August 2025

- Developed and optimized data-driven applications using Power Apps.
- Collaborated with senior engineers to design and test scalable software solutions, improving performance.

Data Analyst Intern

Skillcred | June 2024 – December 2024

- Delivered multiple analytics projects supporting platform decision-making.
- Partnered cross-functionally to drive data-driven initiatives and reporting using SQL and PowerBI.

Projects

AI Based Attendance System

- Built an AI-based face recognition attendance system using FastAPI, RetinaFace, and ArcFace with session-wise tracking and automated CSV report generation.
- Implemented multi-frame liveness and anti-spoofing (motion analysis, embedding variation, optical-flow residuals) to prevent photo and replay attacks, improving real-world reliability.

RAG-Based Intelligent Chatbot

- Developed a RAG Chatbot using LangChain, FAISS, and OpenAI API to answer queries from custom text and PDF documents.
- Implemented document ingestion, text chunking, and vector embedding pipeline to enable context-aware responses from stored data.

AI Based Task Prioritizer(Task Pulse)

- Developed a web-based productivity application that intelligently prioritizes tasks by analysing both due dates and task descriptions.

Achievements

Winner, Data Dash (Feb 2025): Created an impactful, award-winning dashboard for Technavya'25.

Runner-Up, Hack and Viz 2.0 (April 2025): 30-hour hackathon solving real-world BMS challenges.

Certifications

[Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate](#)

[SQL: A Practical Introduction for Querying Databases - IBM](#)

[Google Data Analytics Professional Certificate \(Jul 2024\)](#)

Education

2022 - 2026	B.Tech at GLA University	(CGPA: 7.8)
2022	Class 12 th CBSE	(82%)
2020	Class 10 th CBSE	(88%)