ANUJ KOTHIYAL

E-Mail: anujkothiyal01@gmail.com | **Phone:** +91 7302856101 | **LinkedIn:** LinkedIn | **Portfolio:** Portfolio

Driven AI/ML professional with **1 year of experience** in **Agentic AI, multi-agent systems, and LLM-driven solutions**. Skilled in Python development, building **GenAI products** and autonomous AI systems. Proficient in cloud-native and serverless architectures (AWS, Snowflake), vector databases (Pinecone), and AI orchestration pipelines. **Founder & Lead AI Developer at CortexBloom**, building a suite of Agentic AI products leveraging multi-agent reasoning and LLMs. Seeking opportunities to deliver innovative, data-driven AI solutions.

PROFILE SUMMARY

- Results-driven AI Engineer and Data Professional with hands-on experience in designing, developing, and deploying **Agentic AI and multi-agent systems**.
- Skilled in **Python, LLM integration (Mistral, GPT, LLaMA)**, and **RAG pipelines** for autonomous reasoning and task execution.
- Experienced in **serverless, cloud-native architectures** (AWS, Snowflake) to support scalable AI/ML workflows.
- Proficient in **fine-tuning and prompt engineering**, building AI agents capable of **step-by-step reasoning, knowledge retrieval, and decision-making**.
- Strong problem-solving, adaptability, and cross-functional collaboration skills, delivering **innovative AI solutions** aligned with business and research goals.

CORE COMPETENCIES

Agentic AI & LLM Development	Cloud Computing	Data Engineering & Analytics
Retrieval-Augmented Generation (RAG)	Predictive Analytics	AI Modeling

SOFT SKILLS

Problem-Solving	Quick Learner	Communication
Time Management	Attention to Detail	Leadership

TECHNICAL SKILLS

- Programming Language: Python, SQL
- Web & Frameworks: Flask, FastAPI
- AI/ML & LLMs: PyTorch, TensorFlow, RAG pipelines, LangChain
- Databases: Snowflake, MySQL, MongoDB, Pinecone (VectorDB)
- Cloud & DevOps: AWS (Lambda, S3, Glue, EC2, Bedrock), Snowflake, Git, Docker
- Core CS Concepts: Data Structures, DBMS, Operating Systems, Computer Networks, OOPs

PROFESSIONAL EXPERIENCE

CortexBloom | Founder & Lead Developer | April 2025 – Present

- Building a suite of Agentic AI products leveraging multi-agent reasoning, LLMs, and RAG pipelines.

Mactores | Data Engineer Intern | March 2025 – Present

- Acquired practical experience in **AWS and Snowflake ecosystems**, including data warehousing, query optimization, and scalable cloud services.
- Built understanding of **data integration strategies**, designing and implementing **ETL/ELT workflow** to ensure efficient and reliable data pipelines.
- Applied **cloud-based data management best practices** in areas such as security, performance tuning, and cost optimization.

PROJECTS

CortexVector – Agentic AI & RAG Math Tutor | [Project Link]

- Developed an **Agentic AI math tutor** using **Mistral LLM** and **Retrieval-Augmented Generation (RAG)** to provide step-by-step solutions.
- Integrated **Pinecone vector store** and **LangGraph** for precise example retrieval and iterative reasoning.
- Deployed via **Flask**, showcasing expertise in **GenAI, Agentic RAG, LLMs, and Python-based AI deployment**.

E-Commerce Sales Analytics Pipeline | [Project Link]

- Engineered an **end-to-end ELT pipeline in Snowflake**, ingesting real-time data from **S3 via Snowpipe and SQS notifications**.
- Implemented a **multi-layer architecture (Bronze, Silver, Gold)** using Streams, Tasks & Stored Procedures for automated data transformations.
- Generated **customer-level KPIs** (e.g., revenue by country, payment success rate, order patterns) using **SnowSQL and Python**, enhancing business insights.

AWS Serverless ETL Pipeline | [Project Link]

- Developed a **serverless ETL pipeline** triggered by S3 uploads, using **AWS Lambda** for event-driven processing and **AWS Glue** for scalable data transformations.
- Enforced **secure access with IAM roles** and built monitoring dashboards via **CloudWatch**, ensuring 100% workflow uptime.
- Processed and transformed **raw datasets into analytics-ready data**, supporting data-driven business decision-making.

CERTIFICATIONS

- **Snowflake SnowPro Core Certification** | [Link]
- **AWS Certified Cloud Practitioner** | [Link]

ACADEMIC DETAILS

- Master of Computer Applications (MCA), Graphic Era Hill University Dehradun, Uttarakhand, 2025
- Bachelor of Computer Applications (BCA), Omkarananda Institute of Management & Technology, Rishikesh, Uttarakhand, 2023
- 12th Grade, Modern School, Rishikesh, Uttarakhand, 2020
- 10th Grade, Modern School, Rishikesh, Uttarakhand, 2018

PERSONAL DETAILS

Date of Birth: 5th October, 2002   **Languages Known:** English & Hindi   **Address:** Rishikesh, Uttarakhand, India