MUDIT GARG

New York, NY | | mudit.workplace@gmail.com
linkedin.com/in/gargmudit2708 | github.com/MuditxGarg | muditgarg.in

Education

Columbia University **New York, NY**
Master of Science in Computer Science Expected Dec 2027

Symbiosis Institute of Technology **Pune, India**
Bachelor of Technology in Computer Science Engineering (Honors in AI & ML) Sep 2021 – Jun 2025

- **3rd Rank in Department (Top 2%)**, GPA **9.10/10**, Merit Scholarship Recipient, GATE Qualified (2024 & 2025)
- **Hackathons:** Winner – MCCIA Edu-Fest and _VOIS Innovation Marathon; 3rd Place – IEEE IC Hack 2.0 and Technovation; Finalist – OpenAI Stack Hack and Bajaj HackRx 4.0

Symbiosis Institute of Business Management **Pune, India**
Diploma in Business Management | **Batch Topper** | GPA **9.17/10** Mar 2022 – Jul 2023

Experience

Associate Consultant, **Oracle Financial Services Software Ltd – Pune, India** Jun 2025 – Jun 2026

- Built and customized 22 RESTful APIs, 9 screens, and 2 GEFU interfaces in Oracle FLEXCUBE Retail Banking (FCR) using Java, PL/SQL, and Oracle JET (OJET).
- Owned end-to-end delivery of 33 components across CASA, Loans, and Deposits through Pre-Production release.
- Communicated directly with client stakeholders to resolve UAT conflicts and bugs; packaged and released UAT builds near-daily and Pre-Production builds 1–2 times weekly via Jenkins for 3+ months.

Associate Data Scientist Intern, **atQor – Ahmedabad, India** Jan 2025 – May 2025

- Automated compliance validation for an enterprise client with a multi-agent framework (Semantic Kernel) of rule-based and LLM-driven agents, cutting validation time from hours to minutes.
- Developed a PDF-to-JSON pipeline into Azure Cosmos DB with async FastAPI endpoints (sub-2s latency, ∼25% higher reliability); proposed orchestration designs and collaborated with AI team in stand-ups and code reviews.
- Prototyped 3 GenAI tools: ColPali + GPT-4o PDF Q&A, a real-time speech assistant, and a RAG legal copilot.

Student Leadership, **Symbiosis Institute of Technology – Pune, India** Oct 2021 – Jan 2025

- **Student Editor-in-Chief, CSE:** Directed content and design for 2 annual magazines and 5 newsletters.
- **Core Member, E-Cell & IIC:** Organized 10+ entrepreneurship events and 2 annual E-Summits.

Research Intern, **Symbiosis Centre for Applied AI – Pune, India** Jul 2023 – Jul 2024

- Benchmarked YOLOv5 vs. YOLOv7 for tomato leaf disease detection and classification for an agricultural robot.

Service Learning Project Lead, **GramKalyan NGO & Varhad Capital – Pune, India** Jul 2023 – Oct 2023

- Led a 5-member team to build and deliver 2 websites for the NGO and its parent organization.

Projects

Multimodal and Multilingual RAG-based Support Bot | *Python, FastAPI, Azure AI Search, LLMs, ColPali*

- Led a team engineering a multilingual chatbot (text, audio, image); evaluated 17 RAG pipelines on 170+ docs.

Sight Beyond Sight – Accessible Web Platform | *Python, OpenAI API, Redis, Azure TTS, Google Vision*

- Developed an AI accessibility platform (summarization, captioning, voice); top-voted at OpenAI Stack Hack.

EmoVibe: AI-driven Mental Health Dashboard | *Python, TensorFlow, OpenCV, Flask*

- Analyzed text, images, and emoticons to detect anxiety, anger, and depression with 90% accuracy.

Publications

- *Optimizing Multimodal RAG Systems for Multilingual Product Support* – IAJIT, 2026.
- *EmoVibe: A Social Media-Based Emotion Dashboard via AI-Driven Multimodal Framework* – IJAI, 2025.
- *Malware Detection and Classification Using Machine Learning Techniques* – IJCDS, 2025.
- *CyberCraft: Encryption and Decryption Tool for Images using AES, DES and Chaotic Logistic Map* – JDMSC, 2026.
- *Face Recognition for Efficient Identification of Domain Experts* – IEEE ICACTA 2023 (**Best Paper Award**).

Technical Skills

- **Languages & DBs:** Python, Java, C++, SQL, PL/SQL, C | PostgreSQL, MySQL, Cosmos DB, ChromaDB, FAISS
- **AI/ML & GenAI:** LLMs, RAG, Multi-Agent Systems, Agentic AI, Multimodal AI, Computer Vision, NLP
- **Frameworks:** PyTorch, TensorFlow, Scikit-learn, OpenCV, FastAPI, Flask, React, Semantic Kernel, LangGraph
- **Cloud & Tools:** Azure (OpenAI, AI Search, Speech), Google Cloud, Redis, Git, Jenkins (CI/CD), JIRA