

Sajid Islam

AI Engineering Undergraduate — Generative AI, Agentic Systems & LLM Applications

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PROFILE

AI/CS undergraduate with hands-on experience building generative and agentic AI systems — from LLM-orchestrated RAG pipelines to a client-facing WhatsApp/Instagram AI copilot shipped in an 8-week startup-style cohort (Top 5, Comebck Pakistan Cohort 1). Comfortable across the AI stack, from prompt engineering and tool-using agents to backend data pipelines — looking to bring that into production GenAI work for real clients.

EDUCATION

FAST National University of Computing and Emerging Sciences (NUCES), Pakistan Aug 2024 – Expected May 2028

BS Computer Science (4th Semester) • CGPA 3.23/4.00

Relevant Coursework: Artificial Intelligence, Data Structures & Algorithms, Database Systems, Probability & Statistics, OOP, Software Engineering

GIKI × Skylabs Advanced AI Bootcamp (2026): 2-month intensive program covering classical ML, deep learning & NLP, agentic AI (LangChain, RAG), and MLOps tooling (Git, DVC, MLflow) end-to-end.

EXPERIENCE

Data / IT Intern — Inter-Services Public Relations (ISPR), Pakistan Army Jan 2026 – Feb 2026

Media & Communications Wing • Peshawar, Pakistan

- Managed data pipelines and IT operations within a large-scale government organization while coordinating cross-functional digital workflows under strict time constraints — fast, autonomous decision-making directly analogous to shipping in a fast-moving client environment.

PROJECTS

WhatsApp Commerce Copilot — Comebck Pakistan, Cohort 1 (Squad Margalla) 2026

8-week, YC-style, first Pakistani product accelerator • 4-person squad • Top 5 of Cohort 1

- Built an agentic AI copilot for Pakistani clothing-brand owners that reads customer questions in Urdu and Roman Urdu across WhatsApp and Instagram DMs, and replies instantly with catalog-grounded answers on sizing, delivery, and Cash-on-Delivery (COD) confirmation.
- Ran ground-truth user validation before building: messaged 16 Pakistani clothing brands as real customers within one hour to quantify the unanswered-DM problem, then interviewed brand owners to shape the product — targeting the 30–35% COD return rate caused by unconfirmed orders.
- Selected as a Top 5 project out of Cohort 1 — practiced exactly what client-facing GenAI work demands: framing a business problem in numbers, validating a solution with real users, and shipping a working agent against a hard deadline.

Agentic AI, LLM integration • Repo: github.com/comebck-pakistan/cohort-1-squad-margalla

Agentic Systems Bootcamp 2025 – 2026

- Building a 16-week, open-source curriculum on production AI agent architectures — covering LLM orchestration, multi-step reasoning, tool use, memory management, and RAG pipeline design.
- Implemented episodic memory using vector databases (FAISS/Chroma) combined with compressed summary buffers to address context-window limits for long-horizon agents.
- Designed and tested autonomous agents using LangChain agent loops, custom tool integrations, prompt engineering, and streaming responses via the OpenAI and Anthropic APIs.

Python, LangChain, OpenAI API, Anthropic API, RAG, Vector Databases • Repo: github.com/Sajid0875/agentic-systems-bootcamp

n8n AI Agent Workflow Automation 2025 – 2026

- Built end-to-end AI agent workflows in n8n integrating LLMs with external APIs, webhooks, and data sources, using conditional branching, retry logic, and structured output parsing for reliable, autonomous execution.

n8n, REST APIs, Python, LLM Integrations

Entropy-Aware Data Preservation System 2026

- Engineered a production-style PostgreSQL ETL pipeline that computes Shannon entropy via automated triggers and routes records through rule-based preservation logic across a normalized (3NF) 10+ table schema; built a real-time PHP dashboard for entropy trends and audit logs.

PostgreSQL, Python, PHP, Bootstrap, Shell • Repo: github.com/Sajid0875/adaptive-data-preservation

TECHNICAL SKILLS

AI, LLM & Agents: LangChain, OpenAI API, Anthropic API, LLM Orchestration, Prompt Engineering, AI Agents, RAG Pipelines, Vector Databases (FAISS, Chroma), Context Window Management, Episodic Memory, n8n (AI Agent Workflows), Multi-step Reasoning, REST API Integration

ML & Data Science: Python, Pandas, NumPy, Scikit-learn, TensorFlow, Keras, OpenCV, CNN, Recommendation Systems, Personalization

Backend, Deployment & Cloud: PostgreSQL, MySQL, MongoDB, SQL, FastAPI (familiar), ETL Pipelines, Cloud Platforms (GCP/AWS basics)

Languages & Core CS: Python, C++, Java, PHP, JavaScript, HTML/CSS • DSA, OOP, Design Patterns, Operating Systems, System Design

VOLUNTEERING & CERTIFICATIONS

Volunteer — AI Education Workshops, Ranraa Children Foundation & FAST CSS 2025 – 2026

- Delivered hands-on AI/LLM workshops on practical AI tools for underprivileged children in Peshawar.

DeepLearning.AI / Coursera: AI for Everyone • Google: Google Soft Skills Certificate • Microsoft Learn: Cloud Basics