

Amaan Majeed

amaanmajid123@gmail.com | +923344278600
amaanmajeed.com | github.com/amaanmajeed | linkedin.com/in/amaanmajeed

EXPERIENCE

CODINGCOPS | SOFTWARE ENGINEER

Sep 2025 – Present | Lahore

- Shipped an agentic procurement copilot on LangGraph + FastAPI, grounding recommendations in the buyer's own spend and supplier data (**26k+ suppliers, 1,200+ negotiation threads**) rather than generic model output.
- Designed the LangGraph agent — intent routing, conditional retrieval, specialist nodes sharing one Negotiation Brief. Skip KB when the intent does not need it (10 of 17 intent types); on an internal harness, skipped turns were **~30% faster** at the median.
- Built retrieval (dense → expand → dedupe → rerank) with spend via SQL and playbooks via Qdrant; RAG failure degrades to empty context. **85%** pass on a 40-query harness; Langfuse shows **~2.4s** median retrieval across 2,400+ traces.
- Ingestion/delta-sync into PostgreSQL + Qdrant (hybrid chunking, Qwen3-Embedding-4B); self-hosted Qwen3 35B so supplier negotiation data stays on private GPU. Vue 3 chat UI + JWT auth wired to the agent and ingestion pipeline.

CODINGCOPS | ASSOCIATE SOFTWARE ENGINEER

Oct 2024 – Sep 2025 | Lahore

- Cut monthly infra cost **\$18k → \$5k** via AWS RDS read replicas and background-worker queue tuning; moved heavy reads onto a replica across asset-software paths and 7 finance sync workers.
- Led **~60%** of the platform Vue 2 → Vue 3 migration (core components, validation, charting).
- Replaced Pusher with native ActionCable (WebSockets); shipped Slack-style link previews with caching and rate limits.
- Owned directory/MDM sync workers (Google Workspace, Azure AD) and Stripe-related fixes for thousands of users; hardened large spreadsheet imports with streamed row processing (fixtures up to 100MB).

ACET SOLUTIONS | SOFTWARE ENGINEERING INTERN

Aug 2023 – Oct 2024 | Lahore, Pakistan

- Built scalable React front ends against a Java Spring Boot backend; used automation to stress-test builds before client demos.

LEADERSHIP

COMPUTER SCIENCE SOCIETY, UMT | PRESIDENT

June 2022 – July 2024 | Lahore

- Ran 15+ technical and community events reaching **1,800+** students; grew membership **10×** (150 → 1,600).

GDSC, UMT | LEAD

Aug 2022 – Aug 2023 | Lahore

- Led GDSC UMT across two academic years (committee of 20); secured sponsored learning credits from partners including DataCamp and FutureFest.

EDUCATION

UMT, LAHORE

BS IN COMPUTER SCIENCE

Aug 2020 – Aug 2024

GPA: 3.28 / 4.0

THE CITY SCHOOL

Mar 2018 – Aug 2020

A-Levels

CERTIFICATIONS

Foundation: Introduction to LangChain (Python)

SKILLS

AI & BACKEND

Python • FastAPI • LangGraph • RAG
PostgreSQL • Qdrant • Langfuse • RAGAS
Self-hosted LLMs (Qwen3) • Redis

FULL-STACK & INFRA

Vue 3 • Ruby on Rails • Sidekiq
ActionCable • AWS (S3, RDS, Lambda)
Docker • CI/CD • Git • Linux