

Md Mobasshir Shakil Khan

AI Engineer — Agentic Systems · RAG Pipelines · LLM Evaluation

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CAREER OBJECTIVE

Final-year B.E. Computer Science student seeking a Software Engineer / AI Engineer role at [COMPANY NAME]. Strong in Python, Java-family languages, SQL, DBMS and Data Structures, with hands-on delivery of full-stack and AI systems in production. Available to join from August 2028.

SKILLS

Programming Languages: Python · Java-family (C++, C) · JavaScript · TypeScript · SQL · HTML · CSS

Web & Frameworks: React · Next.js · Node.js · Express.js · FastAPI · REST APIs · JWT Authentication · Tailwind CSS

Databases & Cloud: PostgreSQL · MySQL · MongoDB · Redis · Prisma ORM · AWS · Docker · Kubernetes · Git · GitHub Actions CI/CD

AI / Machine Learning: Agentic AI · AI Agents · RAG pipelines · LangGraph · vector databases (FAISS, Qdrant) · LLM APIs · prompt engineering · LLM evaluation

Concepts: Data Structures & Algorithms · OOPS · DBMS · Operating Systems · Computer Networks · System Design · Agile / SDLC

EDUCATION

B.E. Computer Science — Sir M. Visvesvaraya Institute of Technology, Bengaluru (VTU)

Aug 2024 – Aug 2028

CGPA: [X.X] / 10 | No active backlogs

Class XII — KPS, CBSE: 83%

Class X — St. Mary's Academy, CBSE: 88.9%

Coursework: Data Structures & Algorithms · Operating Systems · DBMS · Computer Networks · Software Engineering · System Design

EXPERIENCE

Architect (Contract) — AI Regulatory Compliance System · *banking / RegTech*

2026

- Designed an AI system that reviews bank loan contracts against regulatory circulars and classifies each as compliant or non-compliant, replacing the manual first-pass review.
- Recommended and implemented recall as the primary accuracy metric instead of precision, so that non-compliant contracts are not missed during automated review.
- Designed the system architecture, agent framework, RAG layer and technical specifications, and defined the accuracy-testing methodology. Stack: Node.js, TypeScript, PostgreSQL, Docker.

Founding Engineer — Klaer AI

2025 – Present

- First engineer. Owned **architecture, data model, agent design and specifications** end to end.

Tech Head — SMVIT Debate Society

Dec 2025 – Present

- Maintain **4 live services serving ~50 daily users** with zero downtime during tournaments.
- Built and maintain the society website (Next.js, PostgreSQL, Google sign-in), a document search service and an event assistant.

Full Stack Developer (Freelance) — Wedsy

Oct 2025 – Jan 2026

- Delivered MERN applications, secure REST APIs with JWT auth and responsive interfaces against client deadlines.

PROJECTS

DebateIQ [GitHub](#)

14 agents · runs daily in production

- LangGraph pipeline on a GitHub Actions cron: multi-source research → RAG enrichment → ranking → argument generation → coaching.
- RAG across 4 FAISS stores with per-node retrieval strategies; **6-tier model routing with fallback chains** so rate limits degrade output instead of crashing the run.
- Runs at zero infrastructure cost — no database or server required. Five automated CI tests run on every push.

DocsGuard [npm](#) · [GitHub](#)

~338 installs/month · npm + PyPI

- Reached **~338 installs/month across npm and PyPI** with zero marketing by shipping a documentation drift linter that downgrades any finding without a quoted source line to a warning.

Axiom [Case study](#)

104+ live users

- Ran 104+ debaters through automated check-in, power-matched pairings, room allocation and a live leaderboard. Express + TypeScript, Prisma/PostgreSQL, Clerk, socket.io.

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified Cloud Practitioner — [in progress]. Published two open-source developer tools on npm and PyPI; 44 public repositories on GitHub.

ACTIVITIES

- Competitive parliamentary debater (British and Asian Parliamentary) — three inter-college tournaments; ran tournament tabulation for two. Technical Head, SMVIT Debate Society.