

AKIF AZHER QURESHI

New York, NY | P: +1 201 803 8022 | akifazherq@gmail.com

EDUCATION

Pace University

Master of Science in Computer Science

Cumulative GPA: 3.91/4.0

New York, USA

Expected Dec 2025

Nawab Shah Alam Khan College of Engineering and Technology

Bachelor of Engineering in Information Technology

Cumulative GPA: 3.8/4.0

Hyderabad, India

July 2023

PROFESSIONAL EXPERIENCE

Pantech E-learning Pvt Limited

Software Development Instructor

Hyderabad, India

Jan 2023 – Nov 2023

- Mentored and taught programming languages including Java, JavaScript, and Python
- Analyzed and developed 20+ software and web applications with students, providing practical insights
- Created free online teaching materials for Java, JavaScript, React.js, HTML, CSS, used by 700+ students
- Guided graduate and undergraduate students for their college major projects

PROJECTS

PATIO AI | Collaborative AI Chat Platform - www.patioai.chat

July 2025 – Present

<https://github.com/AKIFQ/patioai>

- Built full-stack real-time AI collaboration chat platform enabling multi-user conversations with TypeScript, Next.js 15, and Socket.IO
- Architected memory-leak-resistant WebSocket system with adaptive health monitoring and connection deduplication for production scale.
- Designed heuristic model routing engine analyzing message content to auto-select optimal AI models with cost-aware fallbacks
- Implemented tier-based quota system enforcing token limits (8K-128K) and context windows (32K-2M) via PostgreSQL RPC functions.
- Integrated OpenRouter with provider-specific reasoning modes (Anthropic "thinking", Google "thinkingConfig") and streaming AI responses using AI SDK.
- Built production-grade Stripe integration with webhook event handling, centralized sync functions, customer mapping, and subscription tier management.

ORDELO | Recipe & Grocery Delivery Platform - ordelo.org

Jan 2025- May 2025

<https://github.com/AKIFQ/ordelo>

- Led technical development of end-to-end platform for recipe management and grocery delivery from local vendors using MongoDB, React, Node.js, Express and Go.
- Engineered intelligent caching system that reduced API calls by 60% and enabled offline functionality.
- Architected React components and architected MongoDB optimized for nested recipe documents and multi-vendor ordering.
- Implemented observability with OpenTelemetry spans, structured logging, Prometheus, and Grafana across Go, Redis, and MongoDB services.

SAV | Shadow VCS for AI Agents

May 2025

<https://github.com/AKIFQ/sav>

- Shipped v0.1 of a local-first staging version-control system that quarantines AI-generated code in .sav/commits/*, assigns automatic risk scores, and applies YAML-based policy gates before changes ever reach Git.
- Designed AST-guarded policy engine that auto-approves docs & small patches yet blocks files matching sensitive patterns, reducing human review load by ~60 % in demo runs with multi-agent workflows.
- Packaged for pip-install in 3 s; wrote GitHub Actions CI and pre-push hook adopted by early users at Pace University AI Lab.

ETHER-WALLET | Ethereum Wallet Interface

July 2023

<https://ether-wallet-green.vercel.app/>

- Built React.js front-end with Tailwind CSS, decreasing page load times by ~40% through Vite optimization
- Integrated Ethers.js to enable wallet connections and transactions, testing 100+ transactions on test nets.

TECHNICAL SKILLS

- **Programming:** Java, JavaScript, Python
- **Frontend:** HTML, CSS, React.js, Tailwind CSS, Ionic
- **Backend:** Node.js, Express.js, GraphQL REST API design
- **Databases:** SQL, PostgreSQL, MongoDB, Redis
- **Tools:** Git, GitHub, Vite, Figma