

Muhammad Ahmed

Los Angeles Metropolitan Area, CA, USA

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Education

California State University, Long Beach

Master of Science in Computer Science

Expected June 2027

Long Beach, CA

- Coursework: Artificial Intelligence, Distributed Computing, Computer Vision, Natural Language Processing

National University of Computer and Emerging Sciences (FAST-NUCES)

Bachelor of Science in Computer Science

July 2023

Lahore, Pakistan

- Coursework: Data Structures, Algorithms, Software Design, Compiler Construction, Databases, Networks

Technical Skills

Languages:	Python, JavaScript (ES6+), TypeScript, Java, C/C++, SQL, NoSQL
Frameworks:	Django, Node.js, NestJS, React, Next.js, TensorFlow, PyTorch, Transformers
Cloud & DevOps:	AWS, GCP, Docker, Kubernetes, Redis, Kafka, RabbitMQ, Linux, CI/CD
Tools:	Git, Postman, REST APIs, GraphQL, OpenTelemetry, Auth0, Stripe API

Experience

Paismo HR

Software Engineer

Dec 2024 – July 2025

Los Angeles, CA

- Built and deployed a scalable microservice for attendance policy management, reducing latency by 80% and improving reliability for 600+ enterprise users.
- Implemented machine-to-machine authentication using Auth0 and enhanced observability with OpenTelemetry across distributed systems.
- Developed a Retrieval-Augmented Generation (RAG) pipeline for semantic resume-job matching, improving employer retention by 20% and sales by 15%.

xiQ, Inc.

Software Engineer

Jul 2023 – Dec 2024

Redwood City, CA

- Optimized a high-traffic product module managing 100K+ contact records, achieving a 40% faster load time and reducing customer support tickets by 25%.
- Engineered a buyer analytics feature to track user behavior across B2B clients, improving conversion accuracy by 30% and lowering bounce rate by 20%.
- Collaborated with product and data teams to deliver new backend APIs and scalable feature rollouts under tight deadlines.

Projects

RoboInk – Automated 3D Card Printing System

Django, AWS (S3, SQS, RDS), SVG, G-code

Jun 2024 – Aug 2024

- Automated 3D card printing for an online retailer, reducing manual intervention by 90% and improving task reliability to 99%.
- Integrated AWS services for end-to-end pipeline management from checkout to print execution.

Artsy – Real-Time Art Auction Platform

Node.js, React, GCP, WebSockets, Stripe

Sep 2022 – Jun 2023

- Built a real-time auction platform supporting concurrent bidding using WebSockets and secure Stripe payments.
- Implemented role-based access control and bidding timers, reducing auction latency by 60% with zero downtime under high load.

Achievements

- Winner, Paismo Hackathon 2025 – Built an AI-powered semantic resume matcher using vector embeddings and retrieval-based NLP.
- Selected for 5× Dean's Honor List and recognized among top 5% students in Computer Science cohort.