

Qadeerullah Syed

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EDUCATION

Master of Science, Computer Science
San Jose State University, San Jose, CA

May 2025

SKILLS

- **Languages:** Java, Python, C++, JavaScript, SQL, R-Programming, PostgreSQL, MySQL
- **Frameworks:** Spring, ReactJS, Flask, REST API, PyTorch, OpenCV, TensorFlow, NodeJS, Scikit-learn, NextJs
- **Other:** Docker, Hadoop, AWS, Git, Hibernate, Keras

EXPERIENCE

Teaching Assistant, San Jose State University

Aug 2024 - Jan 2025

- Accomplished a 15% increase in average exam scores as measured by DBMS course assessment results, facilitated through tutoring, lectures and mentorship
- Provided full-time teaching support and managed course materials for 60+ students

Software Engineer, Deloitte

Jan 2023 - Jun 2023

- Streamlined backend development, architecture and API integration for a Fortune 500 financial institution
- Designed, enhanced and deployed workflow of over 12 APIs, increasing system efficiency by 15%
- Reduced security vulnerabilities by 40% as measured by incident reports by refactoring legacy infrastructure

PROJECTS

URL Shortener (Springboot, ReactJS)

Feb 2025

- Designed for a 50% reduction in average URL length as measured by link-character count

Quick-Cart - E-commerce (Springboot, ReactJS)

Nov 2024

- Designed production level e-commerce website to add, update and purchase products using Springboot as Rest API
- Implemented a 40% faster checkout as evaluated by end-to-end transaction time by optimizing SQL queries

LLM Agent for Disease Diagnosis (ML)

Oct 2024

- Accomplished a 15% lift in diagnostic precision by integrating a multi-step RAG pipeline
- Reduced inference latency by 35% by batching requests and caching user history

Quick-Connect- Twitter-Clone (Springboot, ReactJS)

May 2024

- Achieved 97% uptime by monitoring logs of domain users and deploying domain-restricted microservices
- Cut unauthorized access attempts by 99%, eliminating issues of anonymity

Image generation using Transformers (ML)

Apr 2024

- Accomplished a 15% decrease in FID score (24 → 20) as measured on MNIST/Fashion MNIST by tuning attention-head counts and hidden-layer sizes
- Increased training throughput by 25% by parallelizing multi-head attention on GPU clusters

Vision Aid for Visually Impaired (ML)

Nov 2023

- Accomplished a 30% lower caption error rate as measured by BLEU score by customizing an LSTM encoder-decoder on VGG16 feature maps
- Optimized feature-extraction pipeline, cutting inference time by 20% through model quantization

ACTIVITIES

- Asian Regional Space Settlement Design Competition (ARSSDC) - Runners up among 40+ international teams
- Cal Hacks 24' - "Most Impactful Project" among 150+ submissions developing an automated 911 dialing service