

Qadeerullah Syed

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EDUCATION

Masters 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, Keras, TensorFlow, NodeJS, Scikit-learn
- **Other:** Docker, Hadoop, AWS, Git, Hibernate

EXPERIENCE

Teaching Assistant, San Jose State University

Aug 2024 - Jan 2025

- Facilitated student learning through tutoring, lectures and mentorship for DBMS (CS-157A) course
- Provided full-time teaching support and managed course materials for 60+ students

Software Engineer, Deloitte

Jan 2023 - Jun 2023

- Streamlined the backend development, architecture and API integration for a Fortune 500 financial institution
- Designed, enhanced and deployed the workflow of over 12 APIs, increasing system efficiency by 15%
- Contributed towards ongoing refactor in legacy infrastructure and enhanced backend security protocols to reduce vulnerability risks.

PROJECTS

URL Shortener (Springboot, ReactJS)

Feb 2025

- Built application aimed at shortening URLs using spring-boot
- Implemented modern Java technologies to create a robust URL shortener with enhanced security in backend

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
- Engineered on Springboot for real-time updates and purchases using robust services in backend
- PostgreSQL for database and Spring MVC design in backend

LLM Agent for Disease Diagnosis (ML)

Oct 2024

- Fine-tuned Llama-2 model along with implementation of RAG framework
- Extensive research on designing efficient model with differential diagnosis, multi-step processing and RAG model

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

May 2024

- Developed a fully-functional social networking platform on spring boot using MVC design and PostgreSQL
- Implemented domain-restricted access within university to eliminate anonymity
- Designed for real-time functionality with robust security in backend

Image generation using Transformers (ML)

Apr 2024

- Pioneered research to propose novel applications of transformers to generate images
- Formulated model on MNIST and Fashion MNIST dataset by varying attention heads and hidden nodes in model

Vision Aid for Visually Impaired (ML)

Nov 2023

- Devised software to capture visual content from videos and translate into text and audio formats.
- Implemented feature extraction - capturing data from last hidden layer of pre-trained VGG16 model.
- Customized encoder-decoder model employing LSTM to understand video patterns relative to their labeled captions.

ACTIVITIES

- Asian Regional Space Settlement Design Competition (ARSSDC) - Runner-up
- Cal Hacks 24' - Recognized as most Impactful project for our automated 911 dialling service - DIAL AI