

SHREESH SHIV YADAV

Los Angeles, CA | +1(213)512-9396 | ssyadav@usc.edu | LinkedIn | Github | Website

EDUCATION

University of Southern California
Masters of Science in Computer Science

Aug 2023-May 2025
Los Angeles, California

Vellore Institute of Technology
Bachelors of Technology in Computer Science and Engineering, CGPA: 3.82/4

Jul 2018-Jun 2022
Vellore, India

TECHNICAL SKILLS

Languages: C++, C, Java, Python, Javascript, Typescript, SQL

Frameworks & Libraries: Springboot, Angular, Flask, Express, Swagger, Numpy, Pandas, Keras, Matplotlib

Software Tools: Kubernetes, Docker, Jenkins, JUnit Testing, Azure Kubernetes Service, Git, Oracle DB, MySQL

WORK EXPERIENCE

Fidelity Investments
Associate Software Engineer

Aug 2022-Jul 2023
Chennai, India

- Designed and developed a full stack web application to achieve 60% reduction in overall response time as compared to legacy application by migrating to latest technologies like Angular, Springboot and AKS.
- Followed Test Driven Development to achieve a code coverage of over 90% across 8 modules with JUnit.
- Incorporated Swagger 3.0 framework to design 20+ API endpoints, with proper headers and response codes.
- Mitigated code injection vulnerabilities, code smells and bugs in source code by integrating SonarQube in the CI/CD pipeline. Used Vault to manage application secrets, passwords, tokens and sensitive information.
- Utilized Azure Active Directory Single Sign On for user authentication and role allocations for 100+ users.
- Ensured high availability of application for the users by deploying across 2 regions in the United States.

Fidelity Investments
Software Engineer Intern

Jan 2022-Jun 2022, Jun 2021-Jul 2021
Chennai, India

- Built a suppression feature module for Fidelity's Fund Master Database application using Angular and Springboot to regulate information for 1000+ fund listings on Fidelity's landing website.
- Identified limitations in existing on-prem application and mitigating by migrating to latest technology stack.
- Conducted dependency management activities for 6 applications to ensure on-time delivery of projects.

PROJECTS

Smallcase: Trading Platform | *Angular, Springboot, SQL, Junit*

Aug 2022-Oct 2022

- Developed full-stack web trading platform with features like buying, selling stocks and portfolio dashboard.
- Integrated third party APIs to fetch real time stock data and suggest users about buying and selling stocks.

COVID-19 Dashboard | *React, PHP, Flask, HTML, CSS*

Aug 2020-Dec 2020

- Developed a website to provide COVID-19 information including number of cases, nearby hospitals and recent trends using COVID-19 India APIs.
- Incorporated Google's Geolocation APIs to filter information based on the user's current location and used Chart.js to build intuitive dashboards for displaying COVID-19 related data.

School Management System | *React, PHP, Flask, HTML, CSS*

Sep 2020-Nov 2020

- Developed ERP software for automating day-to-day activities of school like taking attendance, grading assignments and leave management with role based access controls to impose restrictions on user privileges.

Image Classification using CNN | *Python, Flask, Numpy, TensorFlow*

Dec 2019-May 2020

- Built Convolutional Neural Network to classify images from the CIFAR100 dataset and integrating it with an interactive UI frontend using HTML, CSS and Javascript. Used flask to create APIs to receive images from UI.
- Utilized image augmentation techniques to expand training dataset, achieving accuracy rates of close to 60%.