

SHREESH SHIV YADAV

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EDUCATION

University of Southern California

Masters of Science in Computer Science

Coursework: Analysis of Algorithms, Web Technologies.

Aug 2023-May 2025

Los Angeles, California

Vellore Institute of Technology

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

Coursework: Software Engineering, Data Structures, Web Application Development, Database Management Systems,

Object Oriented Programming, Parallel Computing, Operating Systems, Network and Communication.

Jul 2018-Jun 2022

Vellore, India

WORK EXPERIENCE

Fidelity Investments

Associate Software Engineer

- Spearheaded the development of a cloud native web application for handling recurring payments of 500+ institutional clients using Angular, Springboot and Azure; achieved **60% reduction** in overall response time.
- Gained code coverage of **over 90%** by implementing Test Driven Development using Junit framework.
- Incorporated Swagger 3.0 framework to design 20+ API endpoints, with proper headers and response codes.

Aug 2022-Jul 2023

Chennai, India

Fidelity Investments

Software Engineer Intern

- Built a suppression feature module for regulating 1000+ fund listings on Fidelity's landing website and **increased reliability by 70%** by migrating existing application to Angular, Springboot and Azure Kubernetes Services.
- Contributed to the efforts of migrating 6 on premise applications to Azure, ensuring on-time delivery of projects.

Jan 2022-Jun 2022

Chennai, India

Fidelity Investments

Software Engineer Intern

- Developed micro-services using Springboot to **increase efficiency by 20%**, replacing monolithic architecture.
- Modified the existing CI/CD pipelines in Jenkins to facilitate migration of application to Azure cloud and incorporated SonarQube, thereby reducing code injection vulnerabilities, code smells and bugs in source code.

Jun 2021-Jul 2021

Chennai, India

ACADEMIC PROJECTS

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

- Developed full-stack web trading platform with features including buying, selling stocks and portfolio dashboard.
- Integrated third party API to fetch real time stock data of 15+ stocks and providing personalised suggestions.

Aug 2022-Oct 2022

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

- Created a website to provide COVID-19 information, including number of cases, nearby hospitals and recent trends using COVID-19 India APIs along with Geolocation APIs to filter information as per user's location.

Aug 2020-Dec 2020

School Management System| *Flask, Angular, HTML, CSS, Python*

- Developed application for automating day-to-day activities of school including taking attendance, grading assignments and leave management with role based access controls, resulting in **50% increase in efficiency**.

Sep 2020-Nov 2020

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

- 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 feed images to the trained model.
- Utilized image augmentation techniques to expand training dataset, achieving accuracy rates of close to 60%.

Dec 2019-May 2020

TECHNICAL SKILLS

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

Frameworks & Tools: Springboot, Angular, Flask, Express, Swagger, Bootstrap, Numpy, Matplotlib, Junit, Flask, Django, Kubernetes, Docker, Jenkins, Github, Oracle DB, MySQL, Numpy, Pandas, GIT.

LEADERSHIP AND INVOLVEMENT

- Led efforts to organise blood donation and health awareness camps with participation of 200+ students.
- Secured 3rd place in Hackathon organised by Computer Science and Engineering Department at VIT Vellore.