

# RUDRAM VYAS

138 University Ave, Lowell, Massachusetts | [rudram.vyas@gmail.com](mailto:rudram.vyas@gmail.com) | [linkedin.com/in/rudram-vyas/](https://www.linkedin.com/in/rudram-vyas/) | [github.com/RudramVyas](https://github.com/RudramVyas)

## EDUCATION

### Master of Science:

Sep 2022 – May 2024

*University of Massachusetts Lowell – Computer Science (3.8 GPA)*

### Bachelor of Technology:

Aug 2018 – May 2022

*Nirma University – Computer Science & Engineering*

## SKILLS

**Programming languages:** Python, C#, C++, JavaScript, jQuery, Java

**Web Development:** HTML, CSS, PHP, SpringBoot, bootstrap, AngularJS, JavaScript, ASP.Net

**Database systems:** MSSQL, MySQL, DB2, MongoDB

**Cloud platform:** Microsoft Azure, AWS

## PROFESSIONAL EXPERIENCE

### *State Street Corporation-Intern (Bangalore-Boston) – Software Engineering*

Jan 2022 – Jul 2022

- Initiated and operated a Chaos Engineering platform to perform random experiments on an existing Kubernetes system that improved the chaos engineering results by around 25%.
- Implemented and deployed 60% of the Chaos platform using open-source platforms including Litmus Chaos.
- Managed the chaos engineering profile using Spring Boot.
- Administered Chaos Controller in a team of 4, which triggered chaos experiments on the Kubernetes cluster.

### *University of Massachusetts Lowell – Graduate Student Grader for Algorithms*

Sep 2023 – Dec 2023

- Graded assignments, quizzes, and exams for graduate algorithm course.
- Provided detailed feedback and constructive comments to students to help them understand and improve their work.
- Maintained accurate records of grades and communicated grades to both students and course instructors.

### *University of Massachusetts Lowell – Student Support Analyst*

Jun 2023 – Dec 2023

- Provided technical support to customers via phone, email and chat
- Resolved technical issues related to hardware, software and networking
- Diagnosed and troubleshooted technical problems and escalated complex issues to higher level support teams

## PROJECTS

### **Pothole Detection**

- Built an android app that detects potholes on roads based on Accelerometer, Gyroscope, and Magnetometer readings.
- The app calls an API built in Flask to use the machine learning model generated in Python code to detect a pothole upon encountering one.

### **Photography platform Web Application: ChitraManch**

- Designed and developed a platform for photographers where they can create their profile and showcase their work among the community to get recognition and get work in their field of expertise.
- The website helped in building a strong community amongst photographers and people with related professions.

### **Smart Trolley**

- Prepared and implemented a model of a smart trolley, using Raspberry Pi, with modules such as social distancing, theft detection and auto billing.
- Used Python to create the software and integrated IR, weight and barcode sensors with the trolley.

### **Social Networking Site**

- A clone of a social media website, made as a project in a team of 3.
- Created 6 functionalities with modules for chat system, searching people, posting or updating status, commenting on different user posts, user timeline and integrated games.
- PHP, HTML, CSS, Bootstrap, JavaScript, AngularJS based project with SQL used for database.

### **Movie Ticket Management System in Java**

- Developed a Java-based CLI program with file handling with 5 modules consisting show selection, seat selection, booking summary, with all the components of Object-Oriented Programming, including packages and multithreading.

## HONOURS AND AWARDS

- Marketing Director at ISTE Students' Chapter IT-NU.
- Editor for the Association of Computer Engineering Students (ACES) in Nirma University.
- Three times national level representation in World Robot Olympiad.