

# SHIVANI ZEMSE

Syracuse, NY | 9870040602 | spzemse01@gmail.com | [linkedin.com/in/shivanizemse](https://www.linkedin.com/in/shivanizemse)

## EDUCATION

**Syracuse University – Syracuse, NY, USA**

Expected Graduation: May 2026

*Master of Science in Computer Science*

**University of Mumbai – Mumbai, India**

Jul 2016 - May 2020

*Bachelor of Engineering in Information Technology | CGPA – 7.75/10.00*

Relevant Coursework - Data Structures & Algorithms, Database Management System, Internet Programming, Cloud Computing, Artificial Intelligence, Data Mining

## RELEVANT EXPERIENCE

**Tata Consultancy Services, System Engineer – Mumbai, India**

Nov 2020 – Jul 2024

- Designed and developed a middleware interface with **microservices architecture** using **REST APIs and Spring Boot for scalability** and **Redis Cache memory for handling real-time transactions** facilitating seamless communication between SAP Ariba B&I and TCS internal systems.
- Engineered a **Java-based application** for report delivery by generating **automated mails increasing the overall productivity by 50%**.
- Spearheaded end-to-end design and development of an invoice processing automation system using **Azure AI Vision** and **Azure AI Document Intelligence** for automated information retrieval and **Python Django** for seamless backend transactions which aimed to **reduce the manual efforts by 80%**.
- Built and integrated **high-performance, re-usable web components** using **Angular Material** that contributed to **reduction in the development time by 30%**.

**Reliance Industries Limited, Web Development Intern – Mumbai, India**

Jun 2019 – Jul 2019

- Developed a feature for an e-commerce application using **Node.js** as a backend framework for **server-side scripting** and **MongoDB** for data storage.
- Created and integrated webpages for e-commerce website using **Angular** to **enhance user experience**.

## TECHNICAL SKILLS

**Languages:** Java, Python3, SQL, HTML, CSS, Javascript

**Technologies:** Spring Boot, Django, Angular, Flask, Junit, Spring Cloud

**Tools and Frameworks:** Microsoft Azure (Virtual Machines, AI Services), Redis, PostgreSQL, Git, UiPath, Jenkins CICD, Katalon Studio, Eclipse, VS Code

## ACADEMIC PROJECTS

**Sentimental Analysis of Drug Reviews | Python3, Flask, Pandas, NLTK, Keras, Angular, MySQL**

Jan 2019 – May 2020

- Built automated scripts to scrape the webpages for drug reviews and used data visualization strategies to conduct exploratory data analysis of the data.
- Trained the data using Recurrent Neural Network algorithm and analyzed the data by conducting sentimental analysis using classification techniques like LightGBM.
- Published and presented the technical paper titled – “*An Approach to Sentimental Analysis of Drug Reviews using RNN-BiLSTM model*” in an international conference.

**Role Based Allowance System | Spring Boot, Java, Angular, PostgreSQL**

- Developed and integrated high-quality user interfaces using Angular enabling the users to raise allowance requests.
- Designed and implemented back-end components of the application using Spring Boot.

## PROFESSIONAL ASSOCIATIONS & VOLUNTEERING

IEEE, ACM, Rewriting the Code (RTC)

Volunteered as a mentor to school students in Student Leadership Program (SLP) by Indian Development Foundation (IDF).

## AWARDS & RECOGNITION

Awarded *Star of the Month* x 2 at TCS for exceptional contribution to project deliverables.

Awarded *On the Spot Team* at TCS for going up & beyond while delivering critical product features.