

UMANG PATEL

San Jose, CA | umang26patel@gmail.com | P: (315) 297-2854
[linkedin.com/in/umangptl](https://www.linkedin.com/in/umangptl) | umangptl.github.io/portfolio | github.com/umangptl

EDUCATION

Master of Science in Software Engineering

San Jose State University (SJSU)

San José, CA
(Expected) May 2025

- **Involvement:** Software and Computer Engineering Society (SCE), IEEE SJSU.
- **Relevant Coursework:** Software System Engineering, Software Engineering Process, Software Quality Assurance and Testing, Data Mining, Machine Learning, Enterprise Software Platforms.

Bachelor of Science in Software Engineering

State University of New York at Oswego (SUNY)

Oswego, NY
May 2023

- **Cum laude** CGPA; 3.5 | **President's List:** Spring 2021, Spring 2023 | **Dean's List:** Spring 2020, Spring 2022, Fall 2022.
- **Leadership:** Resident Assistant (Riggs), Admissions Office Assistant, Campus Tour Guide, Resident Hall Council (Hart).
- **Relevant Coursework:** Data Structures and Algorithms, Database Management Systems, Machine Learning, Graphical User Interfaces, Software Engineering, Safety Requirements Engineering, Software Quality, Software Design, and Web Services.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C, C++, Scala, Prolog, Clojure.
- **Web Technologies:** HTML, CSS, JavaScript, React.js, Node.js, Vue.js, Flask, Servlets, MVC, Spring.
- **Database:** SQL, MySQL, PostgreSQL, MongoDB. Big Query.
- **Cloud Services:** AWS, Microsoft Azure, Google Cloud Platform
- **Tool and Technologies:** Git/GitHub, Jenkins, Ansible, Ngrok, Agile SCRUM.

EXPERIENCE

Software Design, IBM x SUNY

Oswego, NY

Aug 2022 - Dec 2022

- Engineered an efficient software application for retrieving and displaying vital messages, based on specific reactions, from Discord onto a dedicated website, resulting in an enhanced user experience and streamlined content access.
- Restructured project efficiency by 20% through expert translation of IBM stakeholders' requirements into actionable UML diagrams, resulting in a more streamlined development process and accelerated time-to-market for new features.
- Mastered agile and stand-up development methodologies, achieving 100% completion of all project requirements within project timelines.
- Coordinated with over 5 teams to build, refine, and gain practical experience in development process management techniques applicable at a professional level.
- Analyzed and implemented a sophisticated Microservice architecture creating four core elements: host, API services, JWT verification, and Discord Integration.

PROJECT EXPERIENCE (Full Stack Application)

Silver Theatre, Ticket Booking System

Aug 2023 - Dec 2023

- Built a web-based application applying Spring Boot and Model-View-Controller (MVC) pattern to seamlessly facilitate real-time movie ticket bookings.
- Optimizing system performance and scalability as part of an ongoing effort to reduce 20%-page load times and ensure smooth operations.
- Constructed enhancing analytics Dashboard by introducing five graphs to provide theater employees with real-time insights and trend analysis agile, data-driven decision-making.
- Sustaining application security by integrating authentication and applying tokenization, minimizing potential security vulnerabilities by 40%, and safeguarding user data.

Skill Match, Application Tracking System

Aug 2023 - Dec 2023

- Orchestrated end-to-end development of Skill Match an enterprise application portal, Utilizing Java Spring Boot, React.js, and MongoDB demonstrating strong project management and agile principles to achieve 100% project completion.
- Enhanced user interface, by facilitating a seamless application submission for job seekers and efficient job listing for recruiters' management, resulting in a 30% reduction in time taken to fill applications.
- Deployed CI/CD with GitHub web-hook and Jenkins, decreasing development time by 20% and increasing development frequency by 30%.
- Executed role-based access control and Google Single Sign-On (SSO) leading to a 25% improvement in data security measures and a 35% enhancement in user authentication efficiency.