

UMANG PATEL

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EDUCATION

San Jose State University (SJSU): San José, CA

Aug 2023 - May 2025 (Expected)

Master of Science (M.S) major in Software Engineering

State University of New York (SUNY) at Oswego: Oswego, NY

Aug 2019 - May 2023

Bachelor of Science (B.S) major in Software Engineering

GPA: 3.5

- **President's List:** Spring 2021, Spring 2023 | **Dean's List:** Spring 2020, Spring 2022, Fall 2022
 - **Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Machine Learning, Graphical User Interfaces, Software Engineering, Safety Requirements Engineering, Software Quality, Software Design, and Web Services.
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SKILLS

- **Programming Languages:** Java, Python, C, Clojure, Scala, Prolog, C++, XML.
 - **Web Technologies:** HTML, CSS, JavaScript, React.js, Node.js, Flask, RESTful API.
 - **Database:** SQL, MySQL, PostgreSQL, MongoDB.
 - **Tools and Technologies:** Git/GitHub, ngrok, Spring Boot, Vue.js, Jupyter Notebook, Google Colab, Agile/Scrum/Waterfall.
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EXPERIENCE

Collaborative Project with IBM - State University of New York (SUNY) at Oswego

Aug 2022 - Dec 2022

Software Design (CSC 480)

- Created Postmaker, a powerful software application that seamlessly retrieves and displays reacted messages from Discord onto a dedicated website, effectively managing and showcasing important work-related messages.
 - Demonstrated exceptional communication and teamwork abilities by fostering close collaboration with IBM stakeholders to gain deep insights into their needs and translate them into actionable technical solutions.
 - Mastered agile and stand-up development methodologies, achieving 100% completion of all project requirements within project timelines.
 - Collaborated with over 25 classmates to create, refine and gain practical experience in development process management techniques applicable at a professional level.
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PROJECT

PriceVision - Software Engineer

Jan 2023 - May 2023

(Course/ Team Project) - <https://github.com/umangptl/PriceVision>

- Develop PriceVision an application for stock price predictions and utilizing Long Short-Term Memory (LSTM) algorithms.
- Constructed a user-friendly React interface, displayed interactive graphs of real and predicted values for the next 7 days, along with a feature to select up to 15 stocks, access to company information, and news articles.
- Optimized the backend architecture for machine learning, integrating ngrok for server tunneling, and utilizing Flask for API functionality while achieving a remarkable mean absolute percentage error of 2.4% for prediction values.

WeatherCast - Web Services

Jan 2023 - May 2023

(Course/Individual Project) - <https://github.com/umangptl/WeatherCast>

- Designed a web-based application using Spring Boot and implemented Model-View-Controller (MVC) pattern, with five endpoints to deliver real-time weather information for any location worldwide.
 - Integrated to APIs, making 60 calls per minute, and employed PostgreSQL database to efficiently store user data and favorite cities for enhanced performance and data accessibility.
 - Refined the user experience by aggregating 3-hour weather data into comprehensive hourly and daily forecasts.
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LEADERSHIP EXPERIENCE

Admissions Office at SUNY Oswego: Oswego, NY

Aug 2022 - May 2023

Campus Tour Guide and Office Assistant

- Effectively handled over 400+ phone calls from prospective students and their families, promptly addressing inquiries and providing detailed information to assist in their decision-making process.
- Contributed invaluable support in organizing and executing 7+ admissions events, including Open Houses and Admitted Students Day, by expertly guiding attendees and showcasing the university's unique features.

Residence Life and Housing at SUNY Oswego: Oswego, NY

Aug 2021 - May 2023

Resident Assistant and Front Desk Attendant (Riggs & Johnson Hall)

- Organized events with 30+ Student Services and 25+ staff members, managing budgets and ensuring successful experiences for residents.
- Responded promptly to residents' needs, advocated for their concerns, and provided information & support to 350+ students.