

# Sai Satwik Bikumandla

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[in linkedin.com/in/saisatwikb](https://www.linkedin.com/in/saisatwikb) | [GitHub](https://github.com/saisatwikb) | [Website](https://saisatwikbikumandla9.github.io)

## SUMMARY

Highly motivated Software Engineer with a Master's in Computer Science, specializing in full-stack web development, machine learning, and cloud technologies. Proficient in JavaScript, React, Node.js, Python, AWS, and database management (MongoDB/MySQL). Proven ability to deliver scalable web applications, optimize performance, and solve complex technical challenges.

## WORK EXPERIENCE

### Rethink UX

Chandigarh, India

Web Developer Intern

October 2022 – December 2022

- Developed and deployed dynamic web applications for SaaS clients, ensuring alignment with business requirements.
- Boosted application performance by 90% through the implementation of a Content Management System (CMS) leveraging static templates and dynamic content delivery.
- Managed and secured sensitive user data in SQL databases, integrating robust encryption and access control mechanisms to ensure data integrity and privacy.

## ADDITIONAL EXPERIENCE

### State University of New York, Athletics Department

Albany, New York

Student Assistant (Parking Staff)

July 2024 – Present

- Managed parking operations for university athletic events, ensuring compliance and assisting visitors.
- Provided customer service and maintained order in parking areas.

## EDUCATION

### State University of New York

Albany, NY

Master of Science in Computer Science

August 2024 – Present

## PROJECTS

### Movie Recommendation System

[Live Demo](#) | June 2025 – July 2025

- Engineered a content-based movie recommendation system leveraging Machine Learning concepts, including cosine similarity.
- Executed efficient data preprocessing and vectorization techniques on a dataset of approximately 5000 movies sourced from TMDB.
- Achieved high recommendation accuracy, validated by a Precision@5 score of 0.6, demonstrating strong model performance.

### News Application

[GitHub](#) | June 2025 – July 2025

- Developed a responsive News Application using React.js, integrating with the GNews API for real-time news fetching.
- Implemented key functionalities including dynamic news filtering by category, robust search capabilities, and a user-friendly news saving feature.
- Demonstrated proficiency in front-end development, API integration, and state management within a modern web application.

## SKILLS

**Languages:** C++, Java, JavaScript, Python, SQL

**Web Technologies:** CSS, HTML/DOM, REST APIs

**Frameworks/Libraries:** Express.js, Node.js, React

**Version Control:** Git, GitHub

**Database:** MongoDB, MySQL

**Cloud Technologies:** AWS

**Testing Tools:** Selenium

**Machine Learning:** Cosine Similarity, Data Preprocessing, Vectorization