

# Rajyalaxmi Singam

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## CORE SKILLS

**Front-End:** HTML5, CSS3 (responsive design), JavaScript (Next.js, React, Angular, Vue.js), Bootstrap, npm, Webpack, User Experience, Wordpress

**Back-End:** Node.js (Express.js), Python (Django, Flask), Java (Spring Boot), PHP (Laravel), C# (ASP.NET), SQL (MySQL, PostgreSQL), NoSQL (MongoDB), Typescript, Redux, Software Development, Collaboration Skills, Code Reviews

**DevOps:** Git (GitHub, GitLab), Docker, Kubernetes, CI/CD (Jenkins, Travis CI), AWS, Azure, Google Cloud

**Additional:** Problem Solving, Communication, Agile methodologies, Natural Language Processing Toolkit, Scikit-learn, TF-IDF, Naive Bayes, SVM, Decision Tree, FastAPI, User Experience, Debugging Skills, Cloud Infrastructure

## WORK EXPERIENCE

### YouTube Channel | Programming Educator

Jan 2019 – Present

- Ability to Work Independently as I managed video production (scripting, filming, editing, uploading), leading to a 30% increase in average view duration month-over-month.
- Managed video production (scripting, filming, editing, uploading), leading to a 30% increase in average view duration month-over-month.
- Implemented SEO strategies for video titles, descriptions, and tags, resulting in a 50% increase in organic traffic and visibility on YouTube.
- Communicated and collaborated with viewers and subscribers to get constructive feedback and to create content addressing common programming challenges and trends.
- Wrote and published blog posts on personal website [usandopy.com](#), focusing on beginner to advanced programming topics, contributing to an increase in website traffic and maintaining consistency.

### Tensketch | Web Developer Intern

Mar 2021 - Jun 2021

- Created an aesthetically pleasing and intuitive website for Redal Nidhi using HTML, CSS, and JavaScript; this led to a 10% drop in bounce rate and a 15% increase in internet traffic.
- Added new features and optimized current ones to improve the SDH website's functioning, which resulted in a 25% rise in page views and a 30% increase in average session length.
- Made use of knowledge of JavaScript frameworks to create unique features for client websites, which enhanced total site performance by 40%.
- Closely cooperated with cross-functional teams to guarantee new feature integration that improved project delivery timelines by twenty percent.

## PROJECT EXPERIENCE

### Clark University, Worcester, Massachusetts

#### Reduced Price Market Project

Jan 2024 - May 2024

- Developed an automated data analysis system to track food waste reduction on the platform, resulting in a 30% decrease in overall waste and saving suppliers.
- Implemented a real-time inventory management feature that reduced stockouts by 15% and increased supplier-to-store communication efficiency by 20%.
- Led the integration of a customer feedback loop into the platform, resulting in a 25% increase in customer ratings and improving overall user satisfaction by 40%.
- Documented project progress and technical insights in detailed blog posts on "[usandopy.com](#)," enhancing project visibility and engagement.
- Coordinated with a team of five to ensure smooth deployment and maintenance of the platform, reducing downtime by 15% and increasing overall system reliability.

## EDUCATION

### Master of Science in Computer Science

Aug 2022 – May 2024

Clark University; Worcester, MA