

# Reva Sathe

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## EDUCATION

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**B.S. New Media Interactive Development, Computer Science Minor | Rochester Institute of Technology (May 2026)**

Accomplishments: Summa Cum Laude, Presidential Scholarship, Dean's List (Fall 2022 - Spring 2026)

## EXPERIENCE

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### Rochester Institute of Technology

Rochester, NY

*Research Assistant*

Jan 2025 - Dec 2025

- Spearheading full-stack development of an open-source RAG platform for personalized inter-university knowledge sharing, integrating LLM and academic data APIs to enable adaptive AI-driven assistance
- Designing end-to-end user experience flows and visual interfaces to create an intuitive, personalized help environment for academic collaboration
- Technology: JavaScript, React, Node.js, Python, REST APIs, HTML/CSS, Git

### Encoded Therapeutics

South San Francisco, CA

*Software Development Intern*

May 2024 - Sep 2024

- Built a critical application to monitor and report downtime for SaaS applications, enhancing uptime visibility and enabling proactive incident notifications
- Developed and implemented secure software solutions adhering to company cybersecurity policies while leveraging generative AI technologies ethically and responsibly
- Technology: JavaScript, Node.js, HTML/CSS, AWS, APIs

### KaleidoscopeME

Remote

*Software Development Intern*

Jan 2023 - Jul 2023

- Researched and implemented software tools for an edutainment company focused on teaching elementary school-aged children
- Managed a team of 4 interns by delegating and overseeing tasks and projects; handled social media and managed company finances with partners and clients

## PROJECTS

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### Patchwork

*Lead Developer & Producer; Alt-Ctrl GDC Finalist*

- Led full software architecture development integrating Node.js with Arduino-based hardware for sensor-driven gameplay and real-time feedback
- Designed and implemented backend systems for scoring, analytics, and data persistence alongside physical interaction logic for buttons, sensors, and motors
- Technology: Arduino (C++), Node.js, JavaScript, GitHub, Git

### Forecafe

*Full-Stack Developer*

- Engineered a secure, scalable web application using MVC architecture with Node.js and React
- Optimized platform performance by integrating MongoDB and Redis for efficient data management and caching; deployed on Heroku
- Technology: Node.js, Handlebars.js, React.js, MongoDB, Redis, Heroku

## SKILLS

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**Languages:** Python, C++, C, Java, C#, JavaScript, TypeScript, R, SQL

**AI & ML:** Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Generative AI Integration, Data Mining

**Frameworks & Cloud:** Node.js, React, HTML/CSS, AWS, Heroku, MongoDB, Redis, REST APIs

**Tools:** Git, Unreal Engine 5, Unity, Arduino, Figma, Jira/ClickUp/Trello