

# Nikhil Munagala

nikhilsai.munagala@gmail.com | linkedin.com/in/nikhilsai-munagala | github.com/nikhil68596 | (732) 754-9338



## Education

### Rutgers University-New Brunswick

Sept 2021 - Jan 2025

B.S. Computer Science

GPA: 3.5/4.0

- **Relevant Coursework:** Data Structures, Principles of Database Management, Software Methodology, Computer Security

## Skills, Awards, and Certifications

- **Languages/Tools:** Java, Python, Git, GitHub, MySQL, HTML, CSS, JavaScript, AWS, Firestore, Figma, MongoDB, C, R
- **Frameworks/APIs:** React.js, Node.js, Express.js, Flask, Tailwind CSS, Groq API, Google OAuth, Calendly API, Gmail API
- **Awards:** iCIMS' First Place Prize (HackRU Spring 2025), Rutgers University Dean's List (2022, 2024)
- **Certifications:** AWS Solutions Architect Associate, AWS Certified Cloud Practitioner, ISC2 Certified in Cybersecurity

## Experience

### Software Engineering Intern *Bright Sparks Academy*

Jul 2024 - Aug 2024

- Optimized **Figma** layout implementations part of a **React** full-stack tutoring platform, reducing application load time by **20%**
- Developed **65** scalable **Express.js** **RESTful** API endpoints to enable robust real-time data management with **Firestore** while integrating **Calendly** API for effortless meeting scheduling, cutting manual coordination efforts by **33%**
- Applied **DevOps** practices including **Continuous Integration and Deployment** for smoother software compatibility

### Teaching Assistant *Rutgers University- CS111*

Sept 2023 - May 2024

- Conducted **81** interactive recitations for **85** students, strengthening problem-solving skills in course topics, including object-oriented programming, recursion, and sorting algorithms to improve student code comprehension by **15%**
- Provided personalized feedback on **1022** quizzes, contributing to a **6%** rise in the average student grade

### Tech Director *Rutgers University- Undergraduate Students Alliance of Computer Scientists*

Sept 2022 - May 2023

- Organized **UHACCS**, USACS student-run hackathon, to manage vendor selection, budget allocation, and coordination with four computer science student clubs for event planning, achieving a **51%** growth in participant engagement
- Facilitated weekly development progress meetings for **33** teams along with instructing workshops on cutting-edge technologies in **USACS Labs**, a program fostering hands-on project creation, elevating meeting attendance by **44%**

### Data Structures Assignment Developer *Rutgers University- CS112*

Jun 2022 - Aug 2022

- Designed engaging Data Structures course assignments with real-world scenarios, boosting student engagement by **17%**
- Detailed comprehensive **Javadoc** documentation to enhance clarity and usability, decreasing student inquiries by **24%**
- Collaborated with course staff through weekly sprints to revamp assignment writeups and existing features, employing **Git** and **GitHub** for seamless integration, increasing code development by **13%**

## Projects

### RU Academic Advisor *HTML, CSS, Javascript, Figma, Flask, Groq API, Amazon DynamoDB*

Feb 2025 - Present

- Refining a chatbot user interface from a Figma layout in HTML, CSS, and JavaScript, improving responsiveness by **15%**
- Leveraged Groq API for effective chat prompting, reducing average response time by **22%** for smoother interactions
- Managing data retrieval processes in Amazon DynamoDB, cutting channel population time by **12%** for faster updates

### Personify *HTML, CSS, Javascript, Flask, MongoDB, Google OAuth, Gmail API*

Feb 2025 - Present

- Crafted an intuitive user dashboard in HTML, CSS, and Javascript for an automated job application tracker, securing **1st**-place for the **iCIMS'** prize at Rutgers University's **HackRU** hackathon out of **59** teams
- Leveraged Gmail API in **Python** to automate email scanning for providing real-time job application updates, leveraging **Flask-SocketIO** to maintain persistent connections and enhance user interaction by **16%**
- Building a **Google OAuth 2.0** multi-factor authentication system with MongoDB Atlas for swift, secure user validation

### Personal Website *React.js, Tailwind CSS, Express.js, Node.js, AWS Secrets Manager, AWS KMS*

Feb 2023 - July 2023

- Constructing a React portfolio website with a minimalist, user-friendly layout, improving navigation efficiency by **38%**
- Optimizing styling with Tailwind CSS, cutting manual CSS by **72%** to speed up development and enhance consistency
- Supported reliable contact form submissions in an Express.js REST API with Nodemailer, securing encrypted credentials using AWS Secrets Manager and KMS