

Nikhil Munagala

☎ (732) 754-9338 | ✉ nikhilsai.munagala@gmail.com | 🌐 Nikhil0503 | [LinkedIn](#) | Edison, New Jersey

Education

Rutgers University - New Brunswick

GPA: 3.575/4.00

B.S. Computer Science Major, Mathematics Minor

May 2025

- **Relevant Coursework:** Data Structures, Computer Architecture, Discrete Structures I, Systems Programming, Principles of Programming Languages, Math Theory of Probability

Skills

- **Languages:** Java, HTML, CSS, Javascript, MATLAB, Python, C, Scheme
- **Technologies:** Git, Bash, Linux, AWS
- **Frameworks/Libraries:** NumPy, POSIX (C)

Experience

Calculus 2 Learning Assistant (Rutgers University)

Sept 2022 - May 2023

- Provided support to over 80 students enrolled in the Calculus 2 course by leading weekly recitation classes featuring group-based activities aimed to reinforce key concepts taught by the professor
- Created written solutions with detailed explanations for the group-based activities used during recitations

Data Structures Assignment Developer (Rutgers University)

Jun 2022 - Aug 2022

- Developed assignments in Java in teams applying data structures in real-world situations for 1000+ students taking the course every semester
- Implemented Object-Oriented Programming(OOP) to design class structures for the assignments
- Documented classes for students to reference to do the assignments and solution files using JavaDoc
- Participated in weekly code reviews with teams to meet deadlines progressively

Projects

Truthtable C

Dec 2022

- Constructed a digital logic circuit using gates (AND, OR, MULTIPLEXER, etc.) to create a truth table
- Parsed information about input/output variables and gates from a .txt file to generate a digital circuit
- Utilized bit-shifting to generate all possible input combinations of the truth table to feed them into the circuit to calculate the corresponding outputs

Combnoomb Python

May 2022 - Jun 2022

- Designed a Discord bot using Discord.py enabling linear algebra operations like matrix-vector multiplication and reduced row-echelon form
- Leveraged the Numpy module to produce efficient matrix multiplication

Clubs/Organizations

USACS Tech Director

May 2022 - May 2023

- Facilitated weekly USACS Labs meetings to advise 20+ members in side project development, in addition to conducting workshops teaching the fundamentals of technologies
- Organized and administered UHACCS, the hackathon for USACS, where 50+ students create projects in teams for 10 hours that will get judged the following day