

Rohith Malangi

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EDUCATION

Rutgers University

B.S. Computer Science, Minor in Economics

- Cumulative GPA: 3.62 as of January 2024, Dean's List every semester

Graduation: May 2025

New Brunswick, NJ

WORK EXPERIENCE

Research Assistant

Rutgers University

June 2023 - Present

Piscataway, NJ

- Developing an energy-efficient image processing algorithm with Python and OpenCV to detect wildfires from video streams on the west coast. Running experiments on a Raspberry Pi to measure performance.
- Writing programs to split images into variable size windows to then perform pixel processing algorithms.
- The system aims to detect fires with close to 100% accuracy while also providing “knobs” for calibration (parameters to tradeoff detection accuracy for faster performance). Drafting research paper on Overleaf.

Software Engineering & IT Intern

Somerset County IT Department

June 2023 - August 2023

Somerville, NJ

- Developed a C# .NET framework application to calculate street sign IDs using their geographical position and other related data to automate sign updates to the database.

Math Instructor

Mathnasium

May 2022 – August 2022

Bridgewater, NJ

- Taught students K-12 in various math topics and helped to create a fun and encouraging environment.

Software Engineering Intern

Gartner Group Inc.

June 2021 - August 2021

Remote

- Built scalable backend API microservices for a ratings & reviews product using Spring Framework, Java, SQL, Hibernate and other backend/full stack technologies to search databases and update users' badge info.
- Became familiar with version control and agile/scrum methodology using tools such as JIRA and Bitbucket.

Youth Conservation Corps Enrollee

National Park Service

July 2019 - August 2019

Yellowstone National Park, WY

- Worked in teams of 5-10 with peers from diverse backgrounds from across the country. Work included park projects such as trail maintenance, campsite infrastructure, and visitor data collection.

ACTIVITIES & PROJECTS

Rutgers Enactus - New Beginnings Project

Web Developer

September 2022 – May 2023

New Brunswick, NJ

- Built microservices for user profile and research team database input using React JS and Firebase.

SKILLS

- **Technical Skills:** Python, C, C#, Java, Linux, Git, SQL, RDBMS, HTML/CSS, Javascript, JIRA
- **Languages:** English (native), Kannada (native), Hindi (intermediate), Mandarin Chinese (basic)
- **Interests:** Advanced classical piano, basketball, motorcycling & bicycling, Indian fusion dance