

Mukul Ramesh

Energetic and dedicated college freshman with experience in Java, Python, SQL, and JavaScript. Passionate about working with computers in a professional setting.



mukulplace@gmail.com



609-480-9355



Hillsborough, United States

SKILLS

Git Proficiency

SQL Proficiency

Machine Learning
Proficiency

Java 8 Proficiency

Python 3
Proficiency

PowerPoint
Text/Slide/Graphic
Manipulation

Excel Chart/Equation/
Automation Proficiency

Microsoft PowerPoint
Graphic Manipulation

Public Speaking

EDUCATION

Rutgers University (3.5 GPA)

09/2021 – Present

New Brunswick, NJ

ACTIVITIES

F.I.R.S.T. Robotics Team (09/2017 – 09/2018)

- ▣ Sub-team leader
- ▣ Presented viable robot strategies.
- ▣ Major role in the planning process, as well as design.

YLS (09/2020 – 06/2021)

- ▣ Competitive nine-month program for informed, engaged, connected leaders in Somerset County, NJ.
- ▣ Learned how to nurture productivity by leveraging team effort through group projects.
- ▣ Gained insight into team engagement, through group interviews with various community leaders.
- ▣ Fostered a culture of proactive decision-making with timed group exercises.

PROJECTS

Machine Learning Business Analysis Program (07/2019 – 08/2020)

- ▣ Retrieves stock data and tries to predict, based on previous trends, the next day's closing prices.
- ▣ Created solutions to problems like smart data storage and trend recognition.

Betting Tic-Tac-Toe Web Developer (12/2021 – 02/2022)

- ▣ Developed a webapp that implements a more technical Tic-Tac-Toe variant.
- ▣ Utilized packages "Express" and "WebSocket" to create seamless communication.
- ▣ Created a Graphical User Interface from scratch that allows for intuitive controls.
- ▣ Implemented a protocol for data sending to accommodate synchronous requests effectively.
- ▣ Launched and controlled an Ubuntu instance using Amazon's E2C.
- ▣ <https://github.com/DiskMonkey/gameSite>

Linear Equation Software Developer (01/2022 – 01/2022)

- ▣ Coded an RREF algorithm that solves any number of linear equations with any number of variables.
- ▣ Created a matrix representing the system and transformed the matrix to automatically reduce terms.
- ▣ Output was a matrix representing all possible solutions to the system.

ACHIEVEMENTS

ABRSM Piano Exam, Up to Level Grade 6, Completion

ABRSM is one of four examination boards accredited by Ofqual to award graded exams and diploma qualifications in music within the UK's National Qualifications Framework. Each exam takes 4 months of strenuous preparation and practice.

National Merit Commended Student

Rising Talents Festival Gold Prize