

# Rivan Parikh

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## EDUCATION

**University of Maryland**, College Park Expected Graduation - May 2027  
Bachelor of Science, Computer Science GPA - 3.805

**Relevant Coursework:** Object Oriented Programming II, Linear Algebra, Statistics, Physics, Calculus II  
**COMPUTER AND PROGRAMMING SKILLS**

**Programming:** (Advanced) Java, Unity, Android Studio, HTML, CSS | (Intermediate) Python, Bootstrap  
**Technologies:** GitHub, Latex, MATLAB, Figma, Microsoft Office

## PERSONAL PROJECTS

**NLP+Finance Project** June 2022

- Performed sentiment analysis on stock market news, categorizing it as positive, neutral, negative
- Tested datasets in Python using Bag Of Words, LSTM, and BERT Machine Learning methods
- Presented slideshow analyzing the processing methods and findings to InspiritAI peers

**NewsFinder App** May 2022

- Developed a mobile application using Android Studio to find any news article found in the NewsAPI based on keywords entered by the user
- Designed the UI of the application using fragments, buttons, and sliders on the emulator
- Employed Firebase technology to differentiate users and store login information for future queries

**Run Game** May 2023

- Created the popular game Run on Unity 3D with keyboard input and random obstacle spawns
- Crafted the UI using prefabs with physics properties, materials, and camera view
- Implemented collision detection between player and obstacle, player movement, and gravity

## EXPERIENCE

**New Jersey Institute of Technology** June 2022 - August 2022  
*Research Intern* Newark, NJ

- Studied papers and presented slideshows on reinforcement learning to the research team
- Tested game environments in PyCharm and researched Grad-Cam implementation for our project
- Presented final research at a poster symposium to other NJIT students and professors

**Mathnasium** Jan 2023 - August 2023  
*Math Instructor* East Windsor, NJ

- Taught students using Mathnasium methodology, terminology, and prescribed teaching practices
- Actively encouraged, motivated, and engaged with students during the instructional session
- Evaluated and documented student progress for parents

## EXTRACURRICULAR ACTIVITIES

**Intern For a Day - Vanasse Hangen Brustlin, Inc.** December 2023

**Intramural Flag Football - Official** October 2023 - Present

**AWS Cloud Club - Member** September 2023 - Present

**BigTh!nkAI Club - Member** September 2023 - Present

**Indian Student Association - Member** September 2023 - Present