

Ritvik Thakur

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EDUCATION

University of Maryland - College Park

GPA: **4.00** / 4.00

Bachelor of Science, Double Major in Computer Science and Mathematics

College Park, MD

Expected Spring 2027

EXPERIENCE

Software Engineer Intern

Washington Software

Nov. 2022 - June 2023

Gaithersburg, MD

- Developed a React Native essay-writing app with Firebase integration, utilizing OpenAI's GPT API for resource searching, citations, and comments, managing the full development lifecycle.
- Managed task listings and organized Scrum team members using Jira, while also creating UML diagrams and flowcharts for projects.

C++ Team Leader

Kids for Code

Aug. 2021 - Feb. 2023

Rockville, MD

- Virtual tutoring service targeted at children from the ages of 8 to 12. Service taught courses for Python, C++, Java, and HTML CSS.
- Managed the C++ branch and directed 10+ teachers with 1900+ students from 11 different countries.
- Developed and crafted curriculum, course materials, and assignments for every session

Summer Intern

Nobel Explorers

July 2021 - Aug. 2022

Remote

- Collaborated within an intern team to develop a professional website for a Pakistani restaurant.
- Designed and delivered comprehensive troubleshooting and internet safety presentations, providing training to both fellow interns and employees, contributing to enhanced cybersecurity awareness.

Math Instructor

Mathnasium

June 2023 - Aug 2023

Germantown, MD

- Instructed and mentored students in a wide spectrum of mathematical subjects, encompassing elementary mathematics through advanced calculus
- Enabled transparent communication between students and parents, enhancing educational partnerships and student outcomes.
- Designed and led a robotics workshop for the summer.

Hackathon Assistant Organizer

Codeday DC

July 2021 - March 2023

Washington D.C.

- Organized a 24 hours hackathon targeted at Highschool and College students with 50+ attendees
- Searched for sponsors and venues, taught programming workshops, and conducted on site logistics.

PROJECTS

Train Station Simulator | Java, Eclipse

- Created a program to simulate multiple trains running along a track, stopping at stations and picking up passengers. Project utilized Java multithreading to allow multiple trains to run on the same track.

Plane Wildlife Strike Statistics | python, pyplot, pandas

- Utilized advanced data manipulation techniques with pandas to process four decades' worth of intricate airplane strike statistics and used the pyplot collection within python to visualize the data.

TECHNICAL SKILLS

C/C++ • Java • HTML, CSS & Javascript • Python • React/React Native • Flutter • Dart