Ritvik Thakur

(906) 231-5767 • ritvik.thakur04@gmail.com • linkedin.com/in/ritvik-thakur

EDUCATION

University of Maryland - College Park   College Park, MD
GPA: **3.93** / 4.00   *Expected Spring 2026*
Bachelor of Science, Double Major in Computer Science and Mathematics

EXPERIENCE

Software Engineer Intern   Nov. 2022 - June 2023
Washington Software   *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   Aug. 2021 - Feb. 2023
Kids for Code   *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   July 2021 - Aug. 2022
Nobel Explorers   *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   June 2023 - Aug 2023
Mathnasium   *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   July 2021 - March 2023
Codeday DC   *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, Multithreading
- 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, numpy
- 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

Languages: C, C++, Java, Javascript, HTML, CSS**,** Python, Dart
Frameworks & Tools: React.js, React Native, Pyplot, Pandas, Numpy, Firebase, Linux