

Daksh Gautam

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Education

University of Maryland - College Park

Computer Science - Machine Learning, College Park Scholar, 3.26 GPA

College Park, MD

Expected Graduation: May 2027

Relevant Coursework: Algorithms, Organization of Programming Languages, Introduction to Computer Systems, Applied Probability and Statistics I, Discrete Structures

Experience

Army Educational Outreach Program: Gains in the Education of Mathematics and Science

Silver Spring, MD

Assistant Near Peer Mentor

June 2024 – July 2024

- Designed and taught lessons about aerodynamics, physics, binary code and coding to over 100 students
- Assisted mentors with curriculum development

National Institutes of Standards and Technology: Information Technology Laboratory

Gaithersburg, MD

Intern

June 2023 – May 2024

- Developed software for physicists to visualize nanoscale material images
- Trained AI model with manual pixel labeling
- Reduced latency between the synchronization of a camera and LEDs

NanoBioFab

Frederick, MD

Intern

May 2022 – August 2022

- Created a front-end interface to store data from experiments
- Used different coding languages like MySQL, JavaScript, PHP, HTML & CSS
- Explained the languages to the Sensor and Software Team

Activities

Dream Dresses

North Potomac, MD

State Lead and Key Volunteer

December 2022 – Present

- Help collect, ship, and campaign for the donation of used Indian party wear clothes for children in need in India

National Honors Society, Thomas S. Wootton High School Chapter

Rockville, MD

Treasurer

September 2022 – May 2024

- Managed the finances and tutored students to help them with homework and advance in school

Academic Decathlon, Thomas S. Wootton High School Chapter

Rockville, MD

Co-President

September 2022 – May 2024

- Taught and participated students about several subjects ranging from technology to history

Technology Student Association, Thomas S. Wootton High School Chapter

Rockville, MD

President

September 2022 – May 2024

- Taught computer science to students and organized competitions

Projects

Personal Portfolio

- Used HTML, CSS, JavaScript to make a portfolio to highlight work that I've done

Group Painting Server

- Used network programming in Java to allow users on the same network to work together on an art piece

Two Player Games

- Created an interface in Java where users could choose to play two player games like battleship, tic tac toe, etc.

Web Scraper

- Used threads in Java to take information from a web page and display it to a user in a more friendly manner

Awards/Certifications

(1) Cisco Switching Routing and Wireless Essentials, (2) Northeastern Academic Decathlon Math Competition Winner, (3) Northeastern Academic Decathlon Economics Competition Winner, (4) AP Scholar Award with Distinction, (5) Amazon Web Services Academy, Cloud Foundations Course

Skills

Computer Programming (Java, Python, HTML, CSS, Javascripts, PHP, MySQL, C++), Problem Solving, Statistical Analysis