

Meru Gopalan

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Student; Bachelors of Science in Computer Science and Physics Aug. 2025 - May 2029
- **Montgomery Blair High School** Silver Spring, MD
Science, Math, Computer Science Magnet Program; GPA 4.97 Jun. 2025

EXPERIENCE

- **Visiting Researcher, Georgetown University** Washington, DC
NERT, Department of Linguistics Apr. 2024 - Jun. 2025
Advisor: Dr. Nathan Schneider
 - **Legal Treebanking:** Collaborated in a Treebanking project using the CGEL grammar, creating an annotated corpus of the US Code to identify ambiguities in common legal interpretations.
 - **ML Parser:** Co-authored and designed a Machine Learning parser on the CGEL-Bank corpus to assist judicial interpretive analysis.
 - **TLT:** Published results in *Treebanks and Linguistics Theories*, part of the **SyntaxFest '25** conference.
- **Visiting Researcher, University of Maryland** College Park, MD
High-Altitude Water Cherenkov (HAWC) Gamma-Ray Observatory Feb. 2023 - May 2024
Advisor: Dr. Jordan Goodman
 - **Galactic Visualizer:** Wrote a web-based tool compiling GeV-TeV sources from HAWC Observatory. Data plotted using **D3.js** and **Python** on a galactic map and displays internal information about researchers and progress on each source.
- **System Operations Lead** Silver Spring, MD
Montgomery Blair SysOps 2022 - 2025
 - **Server Management:** Managed school servers and backups with **NextJS** in **TypeScript**. Maintained and developed websites for various Math, Science and Computer Science tournaments.
 - **Internationalization:** Led a team to completely refactor the school site in both English and Spanish using the React **i18n** module.

ACTIVITIES

- **Swimming Instructor** Silver Spring, MD
Hillandale Hellicats; Montgomery County Swim League 2022 - 2025
 - Created and maintained summer-long lesson plans for host of private students and local swim teams 8-&-under section.
- **Science Tutor** Silver Spring, MD
Opportunity X MD 2023 - 2025
 - Led a team of 4 to develop and teach a basic science curriculum to gifted middle-schoolers around Montgomery County. Prepared an international batch of students for an organization-wide science fair (**50+** participants).

PROJECTS

- **Peer-to-Peer Messaging Application:** Chat features implemented using Gun.js and End-to-End Encryption
- **ARENA 3.0 AI Safety:** Completed ARENA Safety Curriculum for fundamentals of Safety Evaluation Research

SKILLS

- **Languages:** English, Spanish, Kannada, Tamil, Hindi
- **Interests:** Carnatic Music, Swimming, Linguistics, Vedanta
- **Programming Languages:** Python, JavaScript, C++, \LaTeX , Java
- **Tech:** Linux, Docker, Flask, S3