

Rana Pratap Cherukuri

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Motivated high school senior aspiring to major in AI, combining skills in machine learning, software development, and research to drive ethical and innovative technological impact.

Education

Senior at Centennial High School Class of 2026, Ellicott City, MD (**Weighted GPA:** 4.62/5.00, **Unweighted GPA:** 3.78/4.00)

- Member of National, English, Math, Science, Technical, and Spanish Honor Societies

Technical and Professional Skills

Technical: Python, Java, JavaScript, HTML/CSS, Django, SCRUM, Test-Case Writing, Windows, macOS, Linux

Certifications: Cloud Literacy (QA), Networking Fundamentals Pathway (QA)

Tools: Canva, Figma, Power BI, GitHub, MS Office, Google Drive

Other: Research, Teaching, Communication, Teamwork

Languages: English, Spanish (Conversational), Telugu

Work Experience

AI SENSE: *ML/AI Intern*

Feb 2025 – Present

- Researched under UMBC professors to develop sensor fusion and edge AI solutions enabling real-time detection, prediction, and adaptive response to human-wildlife conflict in the DMV area.
- Created image-based detection datasets using Label Studio

NORMAN'S HALLMARK: *Sales Associate*

Jan 2025 – Present

- Delivered excellent customer service and assisted with sales and product selection
- Operated Point-of-Sale (POS) system accurately and handled cash, credit, and gift transactions
- Organized merchandise and inventory to maintain appealing store displays

FNE TECHNOLOGY & MOON TECH SOLUTIONS LLC: *High School Intern (AI / ML)*

Sept 2024 - Mar 2025

- Independent research regarding bias mitigation in AI/ML algorithms
- Trained in Linux, computer networking, cloud technologies, cybersecurity, programming, AI/ML, Power BI

INTERNATIONAL SOFTWARE SYSTEMS, INC.: *Software Developer Intern*

Jun 2024 – Jul 2024

- Developed Status Report Management web app with HTML, CSS, Python Django Framework, user interfaces, and databases. Attended scrum meetings and daily standup calls with the team.
- Trained in Postman API testing, PostgreSQL databases, AI, and Power BI.

INTERNATIONAL SOFTWARE SYSTEM, INC.: *Summer Intern*

Jun 2023 – Aug 2023

- Trained in HTML/CSS, Bootstrap, JavaScript, jQuery, Ajax, Python Django Framework, and BitBucket
- Built a demo application and developed backend code using databases.

HOWARD COUNTY PUBLIC LIBRARY: *Volunteer*

Jun 2023 – Aug 2023

- Volunteered for the Summer Reading Program
- Assisted participants, promoted the Howard County program, and engaged 100+ students in educational activities

Activities & Leadership

PYONEERS PYTHON PROGRAMMING CLUB (chspyoneers.com)

President

Mar 2025 – Present

- Led and managed Pyoneers club
- Worked on Pyoneer's annual Competitive Informatics Tournament (CInT) hackathon

PR Manager

Jun 2024 – Mar 2025

- Managed the club's Instagram and social platforms

CInT Marketing Team

Jan 2024 – May 2024

- Invited students from over a hundred Maryland public schools to compete in CInT 2024.

QU HACKS: JHU APL HACKATHON: *Organizer & Sponsor*

Aug 2024 – Present

- Fundraised ~\$7000 to organize QuHacks 2025 hackathon at Johns Hopkins University's Applied Physics Laboratory
- Contacted various organizations and schools to raise funds and invite middle and high school students to the event.

BOY SCOUTS OF AMERICA (BSA) TROOP 361: *Boy Scout / Youth Leader*

Dec 2021 – Present

- Consistent youth leader as Webmaster and Assistant Senior Patrol Leader for BSA Troop
- "Life" rank working to "Eagle" rank
- Volunteered more than 100 hours of community service through BSA and other organizations, including food drives, popcorn sales, and library work.

References

Available upon request