

Akhil Karumuri

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EDUCATION

University of Maryland, College Park

College Park, MD

B.S. in Computer Science - Machine Learning Track | Minor in Business Analytics | GPA: 3.95

Expected May 2027

- Dean's Scholarship & National Merit Scholarship Recipient
- Honors College | 4x Dean's List

Relevant Coursework: Artificial Intelligence, Data Science, Advanced Data Structures, Algorithms, Databases, Probability & Statistics, Linear Algebra, Web Application Development (JavaScript), Programming Languages

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, C, C++, SQL, HTML/CSS

Frameworks & Libraries: React.js, Node.js, Flask, Angular, MongoDB

Tools & Platforms: Git, GitHub, PostgreSQL, Unix/Linux

WORK EXPERIENCE

Huntington Ingalls Industries - Mission Technologies

Hanover, MD

Software Engineering Intern

June 2025 - August 2025

- Automated playback workflows across a geospatial platform by developing a C++ tool with 10 core commands (hook/unhook, zoom, recenter, playback controls, etc.), reducing manual steps and designed for extensibility.
- Learned Agile development practices by participating in Scrum ceremonies and managing tasks in JIRA, gaining experience with ticket creation, progression, and the full development lifecycle.

Softrams

Windsor Mill, MD

Software Developer Intern

June 2023 - August 2023

- Built and integrated a secure login page with Angular and AWS, improving authentication reliability and laying the foundation for account management and future features.
- Enhanced UI consistency by developing modular Angular components in Storybook, streamlining front-end development within an Agile team and promoting reusable design patterns.
- Gained hands-on experience with enterprise scale Angular development, adapting quickly to a new framework and contributing production ready code that aligned with team standards.

Johns Hopkins Applied Physics Laboratory

Laurel, MD

ASPIRE Computer Science Intern

July 2022 - August 2022

- Reduced search time from hours to seconds by digitizing 2,500+ handwritten part entries into a Python + OCR database.
- Increased accuracy by transitioning to Google Cloud Vision + Butler API and integrating RegEx/textdistance, ensuring reliable Excel conversion and consistent tabular formatting across all entries.
- Preserved institutional knowledge by creating a searchable, backed-up catalog of REDD part numbers.

PROJECTS

Football Pick'em Game | React.js, Flask, PostgreSQL

January 2025

- Built a full-stack playoff pick 'em app with multi-league play, real-time leaderboards, and tamper-proof scoring, replacing manual tracking and improving the fairness of friendly competitions.
- Implemented secure authentication for up to 100+ users and developed an admin dashboard for commissioners to manage games, set betting lines, and configure leagues with role-based access controls.

Wordle Clone | Python, Tkinter

April 2023

- Created an interactive Wordle clone with color coded feedback and dictionary validation using Tkinter.

Hotel Booking Site | React.js

December 2022

- Developed a hotel booking site for FBLA; advanced to the Statewide competition.
- Implemented booking flow with availability, payment simulation, and interactive UI features.