

# Achyutha Duddebanda

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## EDUCATION

University of Maryland—College Park, MD	Expected May 2026
Bachelor of Science, Computer Science—Machine Learning Track	GPA: 3.87
Statistics Minor	
First Year Internship and Research Experience	

## SKILLS

Java, C, MATLAB, OCaml, Rust, Python, R, Git, Linux, Racket, SQL, JavaScript, HTML, CSS

## WORK EXPERIENCE

<b>First Year Internship and Research Experience (FIRE)</b>	Sep 2023-Dec 2024
Student Researcher   (College Park, MD   In person)	
<ul style="list-style-type: none"><li>Worked with a group of peers to analyze and interpret large weather-related datasets on the Derecho supercomputer</li></ul>	
<b>TipTop Technologies</b>	Jan 2025-Present
Software Development Intern   (Silicon Valley, CA   Remote)	
<ul style="list-style-type: none"><li>Created data to support development of building AI models</li><li>Reviewed, documented, and reported software bugs</li></ul>	
<b>Outlier AI</b>	May 2025-Present
Freelancer   (Oakland, CA   Remote)	
<ul style="list-style-type: none"><li>Evaluated and rated AI generated code using a structured rubric</li><li>Managed workload and met deadlines in a fast-paced, remote environment</li></ul>	

## CERTIFICATIONS

CompTIA ITF+	Jan 2025
AWS Educate Machine Learning Foundations	Mar 2025
AWS Cloud Practitioner (CLF-C02)	Aug 2025

## PROJECTS

<b>LatexGen</b>	May 2025
Personal Project   AI LaTeX Generation App   <a href="https://latexgen.onrender.com/">https://latexgen.onrender.com/</a>	
<ul style="list-style-type: none"><li>Built and deployed a full-stack web application using Node.js, Express, and JavaScript to generate LaTeX code based on user input, powered by an LLM</li></ul>	
<b>MusicMood</b>	Apr 2025
Personal Project   AI Song Recommendation App   <a href="https://musicmood.onrender.com">https://musicmood.onrender.com</a>	
<ul style="list-style-type: none"><li>Built and deployed a full-stack web application using Node.js, Express, and JavaScript to recommend songs based on user input, powered by an LLM</li></ul>	
<b>Personal Portfolio Website</b>	May 2025
Personal Project   HTML, CSS, JavaScript   <a href="https://aduddeba.github.io/My-Site/">https://aduddeba.github.io/My-Site/</a>	
<ul style="list-style-type: none"><li>Built and deployed a personal website via GitHub pages to showcase my resume, projects, and contact information</li></ul>	
<b>Typhoon Bopha Simulation</b>	Sep-Dec 2024
FIRE298   College Park, MD	
<ul style="list-style-type: none"><li>Ran simulations and generated visual representations on the Derecho supercomputer to determine the link between tropical storms and climate change</li></ul>	
<b>MicroCaml Lexer, Parser, and Interpreter</b>	Oct-Nov 2024
CMSC330   College Park, MD	
<ul style="list-style-type: none"><li>Built a working lexer, parser, and interpreter for a subset of the OCaml programming language, strengthening proficiency in functional programming and compiler design</li></ul>	
<b>Tower Defense Game</b>	Feb-Mar 2024
CMSC132   College Park, MD	
<ul style="list-style-type: none"><li>Developed a game on a custom Java game engine using object-oriented design and Java's graphics API</li></ul>	



