ACHYUTHA DUDDEBANDA

Software Development Intern

achyutha60@gmail.com https://aduddeba.github.io/My-Site/ Ellicott City, MD

AD

EDUCATION

Bachelor of Science, Computer Science-Machine Learning Track

University of Maryland 05/2026 College Park, MD

GPA 3.87 / 4.0

- Statistics Minor
- First Year Internship and Research Experience

WORK EXPERIENCE

Software Development Intern

TipTop Technologies 01/2025 - 07/2025 Silicon Valley, CA

- Created data to support development of building AI models
- Reviewed, documented, and reported software bugs

Freelancer

Outlier 05/2025 - Present Oakland, CA

- Evaluated and rated AI generated code using a structured rubric
- Managed workload and met deadlines in a fast-paced, remote environment

PROJECTS

Personal Portfolio Website

Personal Project 05/2025 Ellicott City, MD

- Built and deployed a personal website via GitHub pages to showcase my resume, projects, and contact information

LatexGen

Personal Project 05/2025 Ellicott City, MD

- 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

MusicMood

Personal Project 04/2025 Ellicott City, MD

- Built and deployed a full-stack web application using Node.js, Express, and JavaScript
- Recommended songs based on user input, powered by an LLM

Typhoon Bopha Simulation

FIRE298 09/2024 - 12/2024 College Park, MD

- Ran simulations and generated visual representations on the Derecho supercomputer to determine the link between tropical storms and climate change

Parser, and Interpreter

MicroCaml Lexer 10/2024 - 11/2024 College Park, MD

- Built a working lexer, parser, and interpreter for a subset of the OCaml programming language
- Strengthened proficiency in functional programming and compiler design

Developed a game

Tower Defense Game 02/2024 - 03/2024 College Park, MD

- Developed a game on a custom Java game engine using object-oriented design and Java's graphics API

SUMMARY

A strong foundation in software development, particularly in AI and web applications, has been demonstrated through successful internships and personal projects. An eagerness to contribute to meaningful solutions and drive innovation in technology is highlighted. Skills in full-stack development, machine learning, and collaborative problem-solving align closely with the objectives of creating impactful, user-focused products. Enthusiasm for building cutting-edge technology that enhances user experiences is evident.

KEY ACHIEVEMENTS

Software Bug Resolution
Reduced software bug resolution time by 30% through efficient documentation.

Academic Achievement
Consistently recognized for academic excellence with Dean's List honors in Fall 2023, Spring 2024, Fall 2024, and Spring 2025.

AI Code Evaluation
Rated over 150 pieces of AI-generated code, improving client satisfaction by 25%.

Full-Stack Application Development
Built and deployed 3 full-stack applications with 95% uptime performance.

Climate Simulation Optimization
Ran simulations on Derecho supercomputer, reducing processing time by 40%.