

Merin Ashokkumar

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GitHub: <https://github.com/melowmelon>

Portfolio: <https://melowmelon.github.io>

Education

RUTGERS UNIVERSITY - Bachelor of Arts & Science

Piscataway, NJ

Major: Computer Science

Minor: Business Administration

2022 - 2026

Dean's List: GPA: 3.8/4.0

- Fall 2022
- Spring 2023
- Fall 2023
- Spring 2024

Relevant Coursework: Data Structures, Discrete Structures, Internet Technology, Statistics, Financial Accounting, Calculus 2

Experience

RUTGERS UNIVERSITY

Piscataway, NJ

Learning Assistant - Physics 1 and Physics 2

Jan 2024 - Current

- Led recitation and lab sessions for Physics 1 and 2, supporting 50+ students with interactive problem-solving.
- Facilitated complex group discussions and provided targeted conceptual guidance, enabling students to tackle challenging physics topics with increased comprehension and engagement.
- Participated in weekly meetings with faculty to optimize lab structures and improve session effectiveness for the future.

Projects

Speech-To-Text Chatbot - Python, Rasa

- Programmed a high-accuracy speech-to-text chatbot in Python using the Google Voice API, enhancing user experience with precise voice interactions. Applied natural language processing skills and planned OpenAI API integration to elevate conversational AI capabilities. This project demonstrates expertise in Python, API integration, and NLP, along with strong problem-solving and adaptability.

CookCo Website - HTML, JavaScript, CSS

- Developed "CookCo," a dynamic website that suggests top meal options based on user-provided ingredients by integrating a meal database API for relevant recipes. Designed secure and functional user authentication for login and registration, with plans for React.js integration to enhance performance and incorporate dietary preferences for personalized results. This project highlights skills in full-stack web development, API integration, and scalable, user-centric design.

Survivor Game - Python, PyGame

- Developed a 2D game called "Survivor Game" using Python and Pygame, focused on delivering a smooth, engaging user experience. Optimized game functionality to ensure high performance without adding unnecessary complexity, balancing visual quality with efficient code design. Demonstrated expertise in game development principles, Python, and Pygame, with strong attention to usability and system efficiency.

Skills & Interests

Programming Languages: Python, Java, JavaScript, C, HTML, CSS, Rasa, SQL

Frameworks & Libraries: TensorFlow, PyTorch, Pygame

Tools: Git, GitHub, Microsoft Office Suite, Visual Studio Code

Soft Skills: Team Collaboration, Problem-Solving, Communication, Time Management

Interests: Astronomy, Artificial Intelligence, Drawing, Tennis, Technology

Languages: English (Fluent), Tamil (Fluent), Spanish (Intermediate)