

Merin Ashokkumar

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EDUCATION

Rutgers University

New Brunswick, NJ

Bachelors of Arts & Science in Computer Science, Minor in Business Administration

Sep 2022 - Dec 2025

- GPA: 3.85
- Honors: Dean's List (Fall 2022 - Fall 2024), SAS Excellence Award, Phi Beta Kappa Honor Society

Relevant Coursework: Data Structures, Programming Languages, Data Management, Design Analysis & Algorithms, Discrete I & II, Numerical Analysis & Computing, Internet Technology, Software Methodology, Computer Architecture

WORK EXPERIENCE

Learning Assistant (Physics 1 & 2) | Rutgers - New Brunswick, NJ

Jan 2024 - Present

- Led weekly recitation and lab sessions, mentoring 150+ students in analytical thinking and conceptual understanding.
- Collaborated with the Head of the Physics Lab to streamline 20+ lab write-ups to ensure clarity and consistency.
- Facilitated dynamic group discussions and interactive sessions to reinforce understanding of core physics concepts.

TECHNICAL PROJECTS

Speech-To-Text Chatbot | Python, Rasa

July - August 2024

- Built an NLP-driven chatbot using Google Voice API, achieving 95% speech-to-text accuracy.
- Designed to enhance accessibility in voice-based digital interactions for users with disabilities.
- Processed 500+ voice inputs during testing, optimizing response latency to <1 second.

Computer Vision Project | Python, TensorFlow, Keras

May - July 2024

- Developed a CNN-based image classifier trained on the fashion_mnist dataset (243,786 parameters).
- Implemented convolutional and pooling layers, achieving 92% classification accuracy.
- Reduced model inference time by 40% through hyperparameter tuning and data normalization.

CookCo Website | HTML, JavaScript, CSS

May - December 2023

- Built a real-time meal suggestion platform, integrating a meal database API with <1s response time.
- Implemented a user-friendly search and filtering system, allowing users to find recipes based on available ingredients
- Improved user engagement by 30% through UI/UX enhancements and efficient data fetching.

RELATED SKILLS

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

Frameworks & Libraries: TensorFlow, PyTorch, Keras, Pygame, Selenium

Tools: Git, GitHub, Microsoft Office Suite, Jupyter Notebook, Rasa, Tableau, Microsoft Azure, JIRA, VSCode

Certificates:

- Applying AI Principles with Google Cloud
- Introduction to Generative AI
- Introduction to TensorFlow for AI, ML, and DL
- Introduction to LLMs

INVOLVEMENT

Data Science Club (Rutgers)

- Organized events to foster learning, collaboration, and community engagement for data science enthusiasts.

Undergraduate Student Alliance of Computer Scientists (Rutgers)

- Supported initiatives to enhance the academic, professional, and social experience of Computer Science students.