

Neha Janardhan

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EXPERIENCE

OpsVerse - Software Engineering Intern

May 2024 - Present

- DevOps based Internship
- Utilizing MiniCube, Amazon Web Services, Docker, Observability

Dynamic Autonomous Robotics Laboratory - Research Assistant

February 2024 - Present

- Specializing in advancing Audio Recognition ML Software for a Guide Dog Robot.
- Focused on enhancing decision-making and safety by developing software to detect and classify approaching sounds, compensating for the absence of rear visual sensors on the robot.
- Specifically working on speaker distance limits experimentation.

AI4ALL Fellow

September 2024 - February 2025

- Computer Vision Focus Fellowship

PROJECTS

ML Neural Network Program

- Delivered a Neural Network model using TensorFlow and Keras that predicts housing prices in the Boston area. Tested model using numpy and pandas Python packages.

Food Delivery Service Program

- Built a model that navigates the most optimal path for food delivery
- Utilized shortest-path data structures such as Dijkstra's algorithm, Prim's algorithm, Depth-first search, and Breath-first search to find the shortest delivery path from user to restaurant with additional features.

SKILLS

Skills: Python, C, Linux, Java, MATLAB, HTML, CSS, Circuit Analysis, MS Tools (Excel, Word,...)

EDUCATION

University of Massachusetts Amherst – Amherst, MA

September 2022 - May 2026

College of Engineering

Bachelor of Science in Computer Engineering – Deans List Fall 2022

RELATED COURSE WORK

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| • Data Structures and Algorithms | • Mastering Matlab and Excel |
| • Embedded Systems | • Undergraduate Discrete Mathematics Course |
| • Object Oriented and Procedural Programming | • Probability and Statistics |

CERTIFICATIONS

Python Essentials - Certification

Received: 2023

- LinkedIn Learning

Girls Who Code - Certification

Received: 2021

- Certification in Javascript, HTML, CSS

EXTRACURRICULAR ACTIVITIES

Society of Woman Engineers - Member

September 2022 - Present

- Networked and built connections with women in different engineering majors.

Astronomy Club - President

September 2020 – April 2022

- Organized and facilitated numerous club meetings.
- Fostered community within club by conducting icebreakers and weekly check-ins