

# Raghav Buddhineni

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## EDUCATION

### University of Michigan

*Bachelor of Science in Engineering in Computer Science, Minor in Business*

Ann, Arbor, MI

Aug. 2025 – May 2029

### Nashua High School South

*High School Diploma; GPA: 3.93 / 4.0;*

Nashua, NH

Aug. 2021 – May 2025

## EXPERIENCE

### Software Development Intern

*Aurus Inc.*

May 2024 - August 2024

Norwood, MA

- Used proprietary software solutions to install OS, software, and encryption keys to conduct security protocols for payment devices used by Fortune 500 retail clients.
- Validated device configurations and ensured compliance with customer SLAs.
- Coordinated technical tasks and supported project timelines for multiple clients.

### Founder/CEO

*Wonderbox*

March 2023 - June 2025

Nashua, NH

- Co-founded WonderBox, a 501(c)(3) nonprofit dedicated to combating loneliness among seniors in care homes through personalized care packages and handwritten letters.
- Led the distribution of 100+ care boxes in Nashua and built a team of 75+ volunteers, as featured in the local newspaper.
- Spearheaded the development of new chapters nationwide to expand our impact and reach more seniors.

### Project Manager

*Tech 4 Social Good*

October 2025 - Present

Ann Arbor, MI

- Leading a team of 6+ developers and designers to build a new website for *Friends in Deed*, a local Ann Arbor nonprofit.
- Facilitating weekly client meetings to define requirements, gather feedback, and ensure alignment with organizational goals.
- Overseeing both front-end and back-end development to deliver an accessible, scalable, and user-friendly web platform.

## PROJECTS

### Varroa Mite Detection (On Github) | *Python, Pandas*

March 2024 – August 2024

- Collaborated with Stanford Graduates to develop a machine learning model using Python, Pandas, and NumPy to process and prepare bee image datasets for analysis.
- Designed and implemented a multi-layer convolutional neural network (CNN) with TensorFlow and Keras, training it over numerous epochs and applying data augmentation and transfer learning to enhance performance and accuracy.
- Utilized Matplotlib to visualize training progress, model accuracy, and loss metrics throughout development.

### Facial Detection Software (On Github) | *Python, OpenCV*

June 2024 – July 2024

- Built a face detection tool using Mediapipe and OpenCV for real-time facial recognition and tracking
- Implemented machine learning techniques to identify and monitor five key facial landmarks
- Leveraged data augmentation and transfer learning techniques to boost model accuracy.
- Enhanced program versatility by allowing users to track facial movement in various scenarios

## AWARDS

### DECA International CDC Startup Business Plan 3rd Place Winner | *DECA*

April 2024

- Placed in top 3 out of 200+ teams at the DECA International Conference in Anaheim, California.

### Jeanne D'Arc Business Pitch Competition | *Jeanne D'Arc Credit Union*

June 2024 – July 2024

- Awarded 1st Place for pitching HiveAid, a startup designed to make beekeeping easier and more efficient for both new and experienced beekeepers.
- Presented a comprehensive business plan addressing key challenges in modern beekeeping and offering innovative solutions for the industry.

## TECHNICAL SKILLS/HOBBIES

**Languages:** Java, Python, C++, MATLAB

**Frameworks:** TensorFlow, Keras, OpenCV

**Developer Tools:** VS Code, Pycharm

**Libraries:** Pandas, NumPy, Matplotlib

**Hobbies:** Pickleball, Tennis, Guitar, Drinking Matcha