

# Deetya (Dee) Iyer

---

[driyer@andrew.cmu.edu](mailto:driyer@andrew.cmu.edu) | [www.linkedin.com/in/deetya-dee-iyer-026069156](https://www.linkedin.com/in/deetya-dee-iyer-026069156) | [20iyerd.github.io/](https://20iyerd.github.io/)

## Education

**Carnegie Mellon University** 2020 - 2024  
B.S. in Electrical and Computer Engineering, minor in Audio Engineering  
**Carmel High School** 2016 - 2020

## Relevant Coursework

Fundamentals of Programming & Computer Science | Physics I & II For Engineers | Principles of Imperative Computation | Electronic Devices & Analog Circuits | Calculus in Three Dimensions

## Experience

**Local Motors Inc. Engineering Internship** 2021

- Created comprehensive documentation and enabled process efficiency for production of 3D-printed, autonomous, electric shuttles at Local Motors Inc (<https://localmotors.com>).
- Collaborated with production, engineering, operations, and service teams to create standard operating procedures and troubleshooting guides. Suggested and initiated improvement projects targeted towards ~\$120,000 cost reduction goal.

**Code Ninjas - Code Sensei** 2019 - 2020

- Supported students learning coding basics through game development at Code Ninjas (<https://www.codeninjas.com/>). Led camp for 12 kids. Specialist for pilot junior curriculum.
- Substituted for manager, including supervising other Senseis and maintaining the facility.

**Hour of Code** 2018 - 2019

- Planned and volunteered at Codefest and Hour of Code events in Carmel, IN, to promote computer science among elementary schoolers. Coordinated 70 volunteers for 18 individual stations.

**FIRST (For Inspiration and Recognition of Science and Technology) Robotics** 2016 - 2020

- Leader of programming & electrical team, technician for two FIRST Robotics teams (<https://www.firstinspires.org/>). Focused on controls, object-oriented programming, wiring stability.
- Implemented motion profiling algorithms to autonomously control the robot in competition.

## Projects

**Fundamentals of Programming & CS Term Project (attune.)** 2020

Music player app which provides listening data for both streamed and local music. Written in Python, using XML, PyGame, and PyAudio libraries, along with API interactions.

**Coburn Place Robotics Camp** 2019-2020

Initiated and organized two 6-week summer camps for ~20 upper-elementary-school students at Coburn Place Safe Haven in Indianapolis. Taught design, construction, and programming through LEGO robots.

**allyConnect** 2018 - 2019

A proof-of-concept app allowing users to connect with those in need and provide assistance through diverse means. Won third place in Indiana 5th District Congressional App Challenge.

## Skills

### Technical skills:

Python, C, LabVIEW, MATLAB, LaTeX, Microsoft Office, Git/GitHub, Unix-based and Windows OS, Java, HTML/CSS, Dart/Flutter, Firebase, JavaScript

### Soft skills:

Leadership, resilience, organization, problem-solving, and collaboration; proficient in Spanish with 5 years of academic experience

## Awards and Recognitions

- 2019 - 2020 National Merit Scholarship Winner
- Recipient of the NCWIT Indiana Affiliate Award for Aspirations in Computing 2020
- Third place winner of Congressional App Challenge 2019 - IN 5th Congressional District
- Nominated as a CMU Emerging Leader, participated in semester-long conference on leadership