

# Nihar Biradar

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Full-time Computer Science student pursuing a B.S. degree at Rutgers University-New Brunswick, aspiring to become a Software Engineer. Acquiring knowledge on key programming concepts through mainly Java.

## EDUCATION

Rutgers University - New Brunswick

September 2021 — May 2025

### Coursework:

General Physics Lab I, General Physics I, Intro Computer Science, Calculus I, General Psychology, General Physics Lab II, Calculus II, Data Structures and Algorithms, Art History, General Physics II

Highschool: Multivariable Calculus (AP), Game Development with Python, Java (AP), C++ (Honors), Statistics (AP), Physics (AP), Intro to Engineering with Robotics, Calculus A (AP), Visual Basic

## SKILLS

Programming: C++, Java, C#, Visual BASIC, Python, HTML, Git, Puppeteer, Node.js, JavaScript

## PROJECTS

### Vaccination-Bot

January 2022

- Developing a vaccination bot to automate covid-19 vaccination signup process through nodejs and puppeteer while collaborating with peer.

### Temple Escape

March 2019

- Individually designed and developed a virtual game where the user navigates a character through various moving obstacles in order to reach a target.

## EXPERIENCE

### FIRST Robotics Competition (FRC)

September 2017 — June 2021

Driver and Safety Captain, Team Mercury 1089

- Designed, built, and programmed a fully functional robot in 6 weeks that is able to complete unique and complex tasks presented by a given year's challenge, collaborating with fellow students and mentors.
- Strategically maneuvered around other robots on the field in order to collect game elements and score points.
- Semi-finalists at Hatboro-Horsham Robotics Competition, March 2020

### Mathnasium

July 2019 — June 2021

Mathematics Instructor, Mathnasium of East Windsor

- Tutored children (ages 5 - 18) through varying grades and subjects of math, furthering knowledge and developing solid conceptual foundations.
- Inspired students to explore the concepts of mathematics, furthering interest in the area of STEM.

### WINLAB

June 2020 - July 2020

Summer Intern

- Participated remotely in WebEx project meetings. Attended lectures and tutorials ranging in a variety of different introductory topics including Linux, Git, and Neural Networks.
- Shadowed mentors and college students on self-driving car projects.

### PeddieHacks

August 2020

Hackathon Participant

- Collaborated and developed a console based pictorial word guessing game.