Mahesh Natamai [Email](#) | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Incoming freshman at Georgia Tech self-learning **software engineering (fullstack)**, **machine learning**, and **data science**.

EDUCATION

School Of Science And Engineering, Dallas, TX

2018 - 2022: Weighted GPA: **4.6** • Cumulative GPA: **96.38** • Class Rank: **12**

Georgia Institute Of Technology, Atlanta, GA

Starting Fall 2022

EXPERIENCE/ORGANIZATIONS

Brains 4 Drones — *Jun 2021 - Jan 2022*: Intern

Working with keypoint descriptor algorithms and other computer vision techniques for **SLAM** on **autonomous drones** for aerial infrastructure inspection.

Fiverr — *Nov 2020 - Mar 2021*: Discord Bot Developer

Level one seller on fiverr with **over 18K impressions** and **a 5.0 star rating** for discord bot development using **Node.JS**. Worked with integrating **3rd party APIs**, using **MongoDB** and **MySQL** databases, and fulfilling **custom requirements** on every order.

Iron Reign Robotics — *Dec 2019 - May 2022*: Lead Programmer (Java)

Lead programmer / java developer for the FTC Robotics Team Iron Reign based in Dallas, TX that has attended the FTC World Championship in Houston, TX three years in a row. Developed **autonomous programs** and **OpenCV pipelines** using **Java**.

National Honor Society (NHS) — *Nov 2019 - Present*: Member

Boy Scouts Of America (BSA) — *Jun 2016 - Present*: Scribe,Historian

PROJECTS *(Other projects listed on Github and Portfolio)*

Signify - *Web App*: [Demo/Submission Video](#) | [Website](#) | [GitHub](#)

Submitted to the congressional app challenge and won first place. Designed to enable members of the deaf and hard of hearing communities to communicate with those who do not understand ASL using machine learning. Built using **React**, **Next.js**, **Python**, **Tensorflow**, and **Keras**.

Menter — *Web App / Platform*: [Website](#) | [Devpost](#)

Submitted to the Jumpstart Edtech startup competition/hackathon, won first place in the tech category; a platform allowing students to learn if they have something to teach, built using the **MERN stack**.

Quick Maths — *Web App*: [Website](#) | [GitHub](#)

Developed as an education tool built with **Angular** frontend and **Firebase** backend, allowing UIL Number Sense teams to practice tests online and monitor progress through a leaderboard, reducing paper waste from printing tests.

LyricNet — *Machine Learning Web App*: [Website](#) | [GitHub](#) | [Devpost](#)

Architected as a web app to generate song lyrics, song lyric autocompletion, and question answering (using BERT) for the def hacks 2020 hackathon, built using a **Flask** backend, **Tensorflow** for machine learning, and a **React** frontend

COURSEWORK/CERTIFICATES

Machine Learning, Stanford University — *Coursera:* [Credential](#)

SKILLS

PROGRAMMING LANGUAGES:

Java • Python • JavaScript • Node.JS • TypeScript • Octave • HTML • CSS

FRAMEWORKS/LIBRARIES:

React • Redux • Angular • Flask • Bootstrap • Express.JS • Firebase • OpenCV • Selenium

DATA SCIENCE

Pandas • Numpy • Tensorflow (Keras) • Matplotlib

DATABASES

MongoDB • Mongoose • MySQL • Sequelize

MISCELLANEOUS

Git • Github • Heroku • SSH • Unix

EDITING TOOLS

Davinci Resolve 16 • Audacity

AWARDS

Qualified For **World Championship FTC Robotics Tournament** (Through Inspire And Connect Awards)

Won **first place** in the tech category, most voted, and received **$400 cash prize** for my team's submission to the **Jumpstart Edtech startup competition/hackathon**: Menter

Won **first place** for Signify, an app submitted to the **congressional app challenge**

AP Scholar With Distinction 2020: Achieved an average score of at least 3.5 on all ap exams taken, and scores of three or higher on five or more exams.

Reached **Silver Division** in **USA Computing Olympiad**

Second Place at UTD Fall **High School Programming Contest**