

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

High school junior self-learning **software engineering (fullstack)**, **machine learning**, and **data science**, with an affinity for **finance** and **investing**.

EDUCATION

School Of Science And Engineering, Dallas, TX — *Expected June 2022*

2018 - 2022: Weighted GPA: **4.56** • Unweighted GPA: **3.85** • Cumulative GPA: **96.13** • AP Classes: **9**

EXPERIENCE/ORGANIZATIONS

Fiverr — *Nov 2020 - Present*: Discord Bot Developer

Level one seller on fiverr with **over 18K impressions** and **14 5.0 reviews** for discord bot development using **Node.JS**. Worked with integrating numerous **3rd party APIs**, using **MongoDB** and **MySQL** databases, and fulfilling **custom requirements** on every order.

Iron Reign Robotics — *Dec 2019 - Present*: 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**.

The Dogs Of Dalal Street — *Podcast / Blog*: [Linktree](#)

Hosted by Myself, Rutvij Thakkar, Harish Jai Ganesh, and Raghav Gangatirkar, where we **discuss/write about finance related topics**.

Oasis Investment Club — *May 2019 - Present*: Cofounder, Machine Learning / Software Developer

Co-founded the oasis investment club to **educate members about finance**, employing a variety of strategies to ensure maximum growth including **portfolio optimization software** and **LSTM based stock prediction**.

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*)

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**.

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**.

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

Triple Spades — *Web App*: [GitHub](#)

Developed as an **online card game web app** built with **Angular** frontend, **Flask** backend, **MongoDB** database, and **SocketIO** for real-time gameplay. Authentication done using **JWT** through a **REST API**.

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.

COURSEWORK/CERTIFICATE

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**

Second Place at Codemunity's **October 2020 Capture The Flag (CTF) event** over General Web/API Knowledge, Programming Challenges, and Linux/Bash Command Line, **receiving a \$20 prize**.