

# PRANEET NADELLA

Student Developer

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A curious, motivated, and diligent individual who enjoys solving problems with a passion for software development and engineering, hoping to learn and apply skills in the real world.

## EDUCATION

Nashua High School South (August 2016 - Present)

**Diploma Expected June 2021**

GPA: **4.97/5.4** Weighted, **3.93/4.2** Unweighted Class Rank: **11/434**

*National Honor Society, Math Honor Society, Spanish Honor Society*

**Relevant Coursework:** AP Computer Science A, AP Calculus AB, AP Calculus BC, AP Statistics, (currently enrolled), AP Physics 1, Java Programming Honors, Pre-Calculus Honors

## EXPERIENCE

FIRST Robotics Competition Team 1517 - AMP'D UP (December 2016 - Present)

*Programming and Electrical Captain*

One of two programmers on the team, using Java, Visual Studio Code, and WPILib Framework to code and control custom-built robot using Xbox Controllers. Other responsibilities include building chassis, wiring robot, and building pneumatics. I was selected as the programming captain sophomore year. Mentor newer team members and part of the competitive drive team.

**Awards:** 1st Place at 2018 Regionals, 2nd Place at 2020 Regionals

Shishu Bharati: School of Languages and Culture of India (September 2016 - Present)

*Volunteer Assistant Teacher and Librarian*

As an assistant teacher, I help teach a young group of elementary and middle schoolers my mother tongue Telugu. As a librarian, I help catalog and check-in/out books about the Indian culture and in various Indian languages, along with taking storage inventory. Other responsibilities include classroom clean-up, morning student sign-in, and providing help to teachers and students.

**Awards:** Presidential Volunteer Service Award

Westlight AI (June 2020 - August 2020)

*Software Engineering Intern*

Worked with a team in different time zones to program macOS client using sparsely documented technologies such as system extensions and endpoint security with XCode Beta. Gained familiarity with Swift and encryption. Co-author on the product's **US Patent No. 16/933,796** and **International Patent No. PCT/US20/42817** for securing and tracking computer files using metadata.

U.S. Soccer Federation (February 2016 - Present)

*Certified Soccer Referee*

Saturday mornings every Spring and Fall, I referee two 90-minute youth soccer games for the Nashua Youth Soccer League. Responsibilities include working with other officials to uphold the laws of the game, supporting new referees, and mentoring young kids in the rules of soccer.

Best Buy Co., Inc. (November 2019 - January 2020)

*Seasonal Customer Service Specialist*

Worked to gain insight into what it was like to work part-time and also increase my awareness and knowledge of technology. Responsibilities included processing pickups and returns, locating products, assisting customers, running checkout, restocking, and closing the store.

## NOTABLE PROJECTS

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### Personal Website (2019)

A personal showcase of my experience and certifications in computer science. My very first website to test proficiency in **web development**. Can be found at <https://praneetnadella.github.io/praneetnadella/>.

### Finance4Kids (2020)

An android app created for MIT Blueprint 2020 with three others to help increase financial literacy in young kids with a financial tracker and a stock market game. Utilizes **Java, XML, and Android Studio**.

### Project Mango (2019 - Present)

Self-designed Walipini greenhouse for a year-round garden in the New England climate. Building with friends and some mentors. Will include a drip irrigation system and cooling controlled by **Raspberry Pi** and an **app**. Utilized heavy machinery such as an excavator and augur along with traditional hand tools.

### Chess Game (2018)

A rudimentary PvP chess game utilizing **Java Graphical User Interface** to provide an interactive and visual chess game along with a working chess clock. The final project for AP Computer Science A.

### FaceBot (2018)

Constructed a box with a rotating camera connected to a **Raspberry Pi**. Camera located a face and then, using **Python, YAML, and Machine Learning**, it was able to identify the face using previously input data.

## AWARDS/HONORS

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### National Merit Scholarship Finalist (2021)

One of the 15,000 high school students across the nation that qualified as a Finalist.

### AP Scholar with Distinction (2020)

Awarded to AP students who average 3.5 on all tests taken and a 3 or higher on five or more exams.

### 1st Place in the DECA Sports and Marketing Operations Research Event (2020)

Team of three that placed in regionals qualifying for International Career Development Conference.

### 1st Place at TSA Regionals (2019)

Placed 1st in the TSA Coding and Software Development events.

## SKILLS

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**Languages:** Java, HTML, Dart, Python, CSS, MATLAB, XML, JavaScript, SQL

**Tools:** Flutter, Visual Studio Code, Android Studio, Eclipse, Git, Google Suite, Terminal, Bootstrap, IDLE, Jupyter Notebook, REST, JSON

## OTHER ACTIVITIES

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Varsity Tennis Team (2016 - Present)  
#4 on Singles and Doubles Ladder

Varsity Math Team (2016 - Present)  
Varsity member for school competitions.

Coding Club (2018 - Present)  
Compete in ACSL Senior Division

Freshman Basketball (2016 - 2017)  
Volunteered 100 hours as a team manager

## REFERENCES

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Aaron Greenblatt (Co-Founder and CEO of Westlight AI)

Worked under and with Mr. Greenblatt as an intern at Westlight. Email: [agreenblatt@westlight.ai](mailto:agreenblatt@westlight.ai)