

# Nyan Prakash

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## Education

**Northern Virginia Community College**  
*Associates of Engineering*

**August 2023 - May 2027**  
*Annandale, VA*

- **GPA:** 3.8 of 4.0
- **Relevant Coursework:** Intro to Engineering, Object-oriented programming, Calculus 2
- **Transfer:** Guarantee Transfer Agreement with the University of Virginia

**Marshall High School**  
*High School Diploma*

**August 2021 - June 2023**  
*Falls Church, VA*

## Experience

**AutoDog**  
*Developer*

**December 2023 - Present**

- Developing a smart dog harness to boost efficiency of dog trainer
- Programmed sensor calibration sequence and React Native Application
- Built a production page and website

**Gryphon Robotics**  
*Programming Captain*

**September 2021 - June 2023**

- Led a team of 20 high school students in the fabrication of a custom robot to compete in the FIRST Robotics Competition
- Used Java programming to code a robot including: shooter, climber, and Swerve drivetrain

**Jump Robotics**  
*Co-Founder*

**October 2019 - May 2021**

- Co-founded a community robotics team and built an FRC robot
- Learned CAD, robotics programming, and design.

**Kids Teach Tech**  
*Lead Teacher*

**November 2017 - May 2020**

- Joined as 2nd member of a non-profit aimed at teaching coding to underprivileged kids
- Taught basic Python, Scratch and HTML to 500+ kids across the bay area

**ADHD College Success**  
*Mobile Developer*

**May 2022 - August 2022**

- Created a front-end app with interactive games to connect therapists with their patients
- Connected the app to a backend Firebase database to store user data

## Projects

**Machine Learning Characters** Used Python Tensorflow to create AI NPC's for video games

**November 2022**

**Carnegie Mellon Hackathon** Fetched data from Google Cloud APIs to create analytics for users with medical conditions

**February 2024**

**Zoom Meeting Joiner** Developed a Python bot that reads excel files and joins meetings automatically

**March 2021**

**Georgetown Hackathon** Created a predictive model of emissions for 5 modes of transportation using various API and data

**January 2024**

## Awards

**Presidential Volunteer Service Award - Gold** Volunteered for over 100 hours in 1 year

**October 2021**

**Phi Theta Kappa Member** Inducted into an international honor society of students

**December 2023**

**2nd Place in Science Fair** Placed in schoolwide science fair for researching propulsion efficiency of paddle boat

**March 2022**

**Herblock Scholarship Recipient** Received scholarship for academic merit

**November 2023**

## Activities

**Society of Physics Students** Learn, research, and discuss physics topics

**August 2023-Present**

**NOVA Engineering Society** Create projects with fellow engineering members

**August 2023-Present**

## Skills & Interests

**Communication** Extensive experience creating classes and public speaking

**Skills** Java, Python Machine Learning with Tensorflow, Data Analytics with SQL, C#, and Reactjs

**Tools** Unity Game Engine, Blender, Onshape, and Fusion360

**Interests** Ultimate Frisbee, Basketball, Learning, Developing Games