

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