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 subsystems 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**
Carngie Mellon Hackathon Fetched data from Google Cloud APIs to create analytics for users with medical conditions — **Feburary 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 effciency 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