

# Nyan Prakash

New York City

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## Education

### University of Virginia

*Bachelor of Science in Computer Science and Economics (Dropout)*

- **Relevant Coursework:** Data Structures and Algorithms, Calculus 3, Discrete Mathematics and Theory

**Charlottesville, Virginia**

August 2024 - May 2025

### Northern Virginia Community College

*Associate of Science in Engineering*

- GPA: 3.9 of 4.0

**Annandale, Virginia**

August 2023 - May 2024

## Skills

**Programming Languages & Frameworks:** Java, Python, JavaScript, C#, TypeScript, React, Node.js, FastAPI, Django, Express.js,

**Tools & Platforms** Unity, Blender, Excel, GCP, Raspberry PI, Arduino, Docker, AWS

**Specializations** Full Stack, Mobile Development, Robotics, Machine Learning (TensorFlow, Keras, Scikit-learn)

## Experience

### The Outpost

*Software Engineering Intern*

- Created python server automation for productivity and proposal writing for account managers
- Developed full stack application used by the IRS for technology scouting research

**Alexandria, Virginia**

May 2025 - August 2024

### Pacific Northwest National Laboratory

*Software Engineering Intern*

- Developed a website for the Department of Energy to allocate funding to National Security Initiatives
- Decreased bundle size by 50% by implementing React code-splitting to optimize the user experience
- Implemented 10+ backend functions using Microsoft's .NET Framework

**Richland, Washington**

May 2024 - August 2024

### AutoDog

*Founder*

- Developed a smart dog harness to boost efficiency of dog training using an Arduino
- Won 1st in Virginia and 3rd nationally in SkillsUSA Engineering Technology and Design
- Used Bluetooth Low Energy, radio communication and various sensors to create a working prototype.

**Falls Church, Virginia**

December 2023 - June 2024

## Projects

### EcoCoin

*Decentralized Trading Platform for Emission Allowances (React, FastAPI, Google Firebase)*

- Implemented blockchain-based tokenization for emission allowances.
- Created a predictive algorithm for future carbon credit prices.
- Developed stock trading and investing functionalities and a user-friendly web UI.

**Cambridge, Massachusetts**

October 2024

### HealthScope

*Geospatial AI-Driven Public Health Trends Analytics Platform (React, FastAPI, Pytorch)*

- Designed a machine learning model to predict and visualize public health trends.
- Built an interactive React-based dashboard for real-time data insights.
- Improved accuracy by integrating 9+ large-scale public health datasets.

**Baltimore, Maryland**

September 2024

### DeepGuard

*Multi-modal AI Deepfake Detection System (Python, OpenAI, Google Chirp)*

- Developed a multi-modal AI model for deepfake detection in text, voice, and video.
- Built a FastAPI-based backend to handle real-time deepfake detection requests

**Charlottesville, Virginia**

March 2024

## Activities & Awards

**Global Research and Consulting** Learning Finance and helping local non-profit with consulting needs

**February 2025 - June 2025**

**HackNYU** Won 2nd place in Best Fintech Hack at NYU for building an AI menu engineering

**February 2025**

**Johns Hopkins University Hackathon** Won 3rd place in Best use of Data at Hophacks for building Healthscope

**October 2024**