

Arnav Nayak

EDUCATION

Duke University — Durham, NC

Freshman

Sept. 2021 - Present

PROFESSIONAL EXPERIENCE

Software Engineering Intern — *Bloomberg L.P., Princeton*

Jun 2020 - August 2020 (Summer)

Jun 2021 - August 2021 (Summer)

- **Created** a web application for getting high level visibility and analytics for Bloomberg's internal ticketing system.
- **Wired** real time ticket data via Flask REST API and integrated app with Bloomberg's single sign on and internal messaging platform
- **Implemented** a number of features such as an auto assign backend to automatically appoint representatives to certain tickets with categorized rule IDs

Computer Science Tutor — *Code Ninjas Kendall Park, NJ*

Jan. 2019 - June 2021 (Part-Time Job)

- **Taught** kids ranging from 7-15 year old both the essentials of programming and intermediate applications
- **Organized** workshops and mentoring sessions in elementary schools
- **Ran** boot camps in both JavaScript and Python
- **Introduced** and **managed** robotic competitions into the workplace for kids to gain a better understanding of an growing industry

Head Programmer of VEX Robotics Team — *SBHS, Monmouth Junction*

Sept. 2017 - June 2021 (School Year)

- **Programed** a competitive robot for an annual match in a league of robotics teams known as VEX using C/C++
- **Provided** training for incoming freshmen and sophomores on the team
- **Promoted** team and **organize** fundraisers for monetary support

Officer of School CS Club — *SBHS, Monmouth Junction*

Sept. 2019 - June 2021 (School Year)

- **Created** curriculum and **taught** high school students both basic and advanced concepts of programming and computer science.
- **Held** competitions for students to test their skills in programming
- **Organized** an annual hackathon for our high school in which hundreds of students present an interesting and original 'hack'

📞 (609) 508-6513

✉️ arnavnayak2003@gmail.com

🌐 www.arnavnayak.com

🐙 github.com/rNuv

SKILLS

Spoken & Written Languages

English (Native), French (Proficient)

Programming Languages & Frameworks
★★★★★ Python (Flask, PyLint, REST Api, Pandas)

★★★★★ Java (JSwing, Android)

★★★★☆ Web (HTML, CSS, JS, Web Apps.)

★★★★☆ Databases (SQL, MongoDB, Firebase)

★★★★☆ JS+ (Node, React)

★★★☆☆ Machine Learning (Unity MLAgents, Basic Neural Networks)

★★★☆☆ C#

★★★☆☆ C / C++

Software & Tools

★★★★★ Linux / CLI (Bash)

★★★★★ Git / GitHub / GitHub Enterprise

★★★★★ Android Studio

★★★★☆ Unity

★★★☆☆ LaTeX

Miscellaneous Skills

★★★★★ Professional Writing / Documentation

★★★★★ Charisma, Congeniality, Confidence

MAJOR EVENTS / COMPETITIONS

VEX Worlds - Top 50 in international competition

VEX States - Tournament Finalists, Amaze Award

Science Olympiad - 1st in Experimental Design

HackSB - 2nd Place for Best Hack

SBHS - Outstanding Achievement in Computer Science

HIGHLIGHTED COURSEWORK

Multivariable Calculus and Linear Algebra, Differential Equations and Complex Analysis, Modern Physics, AP Physics C/ 1, AP Calculus BC/AB, AP Computer Science A, CS Topics: Mobile Application Development and Game Design, AP Macroeconomics