

Nikhil Dev Mittu

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Education and Training

University of Maryland

Bachelor of Science in Computer Science

College Park, MD
Expected Graduation May 2023

- Member of the Honors program (Gemstone honors research program)

Sherwood High School

Sandy Spring, MD
Graduation June 2019

- GPA: 4.74/5.00
- Honors/AP student in all core subjects, advanced in math, science and social studies.
- Completed the AP Computer Science exam during 8th grade and received a score of 5.

Montgomery College – Dual enrollment during senior year of high school

Rockville, MD

Professional Experience

NASA Goddard

Software Development Summer Intern

Greenbelt, MD
June 2019 – August 2019

- Rewrote the GMSEC gradle build plugin in Java.
- The new version of the plugin contained many improvements to the old version of the plugin including, increased maintainability, and testability of the plugin. This is because the new version of the plugin was separated into modular components that are easier to maintain and that unit tests can be written for.

Technical skills: Gradle, Docker, Java, Groovy, Git, Bash, Linux, Visual Studio, PowerPoint

Software Development Summer Intern

June 2018 – August 2018

- Created a continuous delivery pipeline for building the Goddard Mission Services Evolution Center (GMSEC) API and GMSEC components.
- Created a custom Gradle plugin that contained Gradle tasks that can be used across all of the different GMSEC components.
- Created Docker images that could be used to build the GMSEC API or a GMSEC component

Technical skills: Gradle, Docker, Jenkins, Java, C++, Groovy, Subversion, Bash, Linux, Visual Studio, PowerPoint

Software Development Summer Intern

June 2017 – August 2017

- Developed new example programs for the GMSEC API in C, C#, Java, and Perl. These example programs were written to better demonstrate the features of the API without the extra complexity of the previous examples.
- Documented the new Python API.

Technical skills: C, C++, C#, Java, Perl, Python, Subversion, Bash, Linux, Visual Studio, PowerPoint

Hackathons and Coding Challenges

Google Foobar Challenge

June 2017 – December 2017

- Successfully completed all five (5) levels of the Google Foobar Challenge. The challenge was completed using Python.

HackUMBC

September 2016

- Developed a virtual assistant app, AsisText, that uses SMS and MMS to give you information that you would normally need internet for. The app was written in PHP and was developed in about 24 hours. **Won the “Booz Allen Hamilton Most Game Changing Hack”.**

PennAPPs

September 2016

- Developed an app for both phone and PC, GotGas, that determines the most fuel efficient and least costly route from one location to another. The app was written in JavaScript and was developed in less than 36 hours.

MLH Prime

August 2016

- Developed a social media app that finds other users in the vicinity with shared interests. The app was written in Java and PHP with MySQL for the database.

UMD Bitcamp

April 2016

- Developed a virtual piano that used Leap Motion to track the user’s hand. The app was written in Java and was developed in about 36 hours.

DragonHacks

January 2016

- Developed an app that timed a person solving a Rubix Cube by using the accelerometer inside a Pebble watch to detect when the motion begins and ends. The app was written in C and was developed in about 24 hours.