

# Nishant Jha

Software Engineer focusing on Cancer Research

US Citizen  
[nishantjha.org](http://nishantjha.org)  
[github.com/ninjha01/](https://github.com/ninjha01/)  
[me@nishantjha.org](mailto:me@nishantjha.org)  
(540) 330-3757

## EXPERIENCE

### Broad Institute of MIT and Harvard — Software Engineer

AUGUST 2019 - PRESENT [Cambridge, MA/Remote]

Working on [depmap.org](http://depmap.org), a **React/Flask** webapp for identifying drug/genetic vulnerabilities in cancer models.

- Collaborated with designers, computationalists, experimentalists
- Improved codebase by iteratively introducing linters, type checking, and UI dev tools (**flake8**, **mypy**, **storybook**)
- Wrote internal tool to harden/automate various PM tasks
- Worked on in-house DSL written for data pipeline
- Built work culture through socials/tea times during the shift to remote work

### Capital One — Data Engineer

AUGUST 2018 - AUGUST 2019 [Richmond, VA]

Built out database management toolchain with **Python**. Used **scikit learn** to build in ML healthchecks to data pipeline frameworks

## PROJECTS

### Project Hermes — Co-Founder

JUNE 2018 - MARCH 2019 [Charlottesville, VA/Remote]

An **iOS** and **React** Web app with a **Firebase** backend. It allows patients to complete their physical therapy regimens from the comfort of their home.

### AllergenGuru — Indoor Biotechnologies — Solo Developer

AUGUST 2018 - PRESENT [Charlottesville, VA/Remote]

Wrote an Android (**Java**) and iOS (**Swift**) app with a **Node** backend to provide scientists with information about purified allergens, and assays. Efficiently migrated codebase to **React Native** with a **Firebase** backend.

## EDUCATION

### University of Virginia, BA, MCS — Computer Science

AUGUST 2014 - MAY 2018

## SKILLS

**Python**, **TypeScript**,  
**GCP**, **Firebase**, **AWS**

## AWARDS

Innovation Award - won  
Capital One hackathon with  
OCR/ML card recommender

International Symposium on  
Molecular Allergology -  
Top Poster Presentation

Echols Scholar - awarded to the  
top 5% of UVa. students.

## PUBLICATIONS

A Pediatric Cancer DepMap  
Submitted revision to Nature  
Virginia Journal of Bioethics  
[Strange Loops](#)  
NishantJha.org  
[The Control Problem](#)  
[Book Review: Crazy Rich Asians](#)