

Nishant Jha

Computer Scientist with a background in the natural sciences

EXPERIENCE

Capital One, Richmond — *Data Engineer*

SEPTEMBER 2018 - PRESENT

Developed tools to collect, process, manipulate, and protect financial data. Built data pipeline frameworks to automate high-volume and real-time data delivery for **Hadoop** and streaming data hub.

Sheffield Lab, UVa. Med. School — *Scientific Programmer*

JUNE 2017 - SEPTEMBER 2017

Conducted research at the interface of computation and biology. Applied data science techniques to biological questions in cancer, epigenetics, development, and genomics.

EDUCATION

University of Virginia, MCS — *Computer Science*

AUGUST 2017 - MAY 2018

Coursework focused on Security/Privacy/Theory of Machine Learning

University of Virginia, BA — *Computer Science*

AUGUST 2014 - JUNE 2017

Coursework emphasized Computer, Physical, and Life Sciences.

PROJECTS

The App for Allergens — *Indoor Biotechnologies* — Creator

Developed an **Android** and **iOS** app with a **Python** backend that provides scientists with information about purified allergens, allergen standards, and assays. The app interfaces with the WHO allergen database.

Project Fission — Creator

Created a website generator written in **Python** that enables UVA students to take advantage of free web hosting and create their own websites.

Google Calendar Command Line Interface — Creator

Developed **Java** CLI that interacts with Google APIs to replicate the calendar functionality of the deprecated Google CL application. Once the user is authenticated, they can view and add items to their agenda.

US Citizen

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SKILLS

C/C++, Python, Java

R, Swift

Research Design

Science Writing

Social Media Automation

COURSEWORK

Defense Against the Dark Arts

Mobile App Development

Computer Architecture

Machine Learning

Database Systems

Interface Design

Biostatistics

Biochemistry

Organic Chemistry

AWARDS

Echols Scholar - awarded to the top 8% of UVA. students.

Dean's List

Rensselaer Polytechnic

Institute Math and Science

Award

International Symposium on

Molecular Allergology -

Poster Presentation

PUBLICATIONS

Virginia Journal of Bioethics -

Strange Loops