

# NATASHA SHARMA

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Website: [natsharmaportfolio.github.io](http://natsharmaportfolio.github.io)

Github: [github.com/natsharma](https://github.com/natsharma)

## Education

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New York University

May 2020

B.A. in Computer Science

**Relevant Coursework:** Machine Learning, Data Structures, Basic Algorithms, Computer Security, Computer Systems & Organizations, Computer Graphics, Applied Internet Technology & Networks, Discrete Mathematics, Linear Algebra, Calculus I&II, Finance and Tech, Int'l Politics

## Experience

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**Y Combinator · Full-Stack Software Engineer**

**April 2020 - Present**

- Snackpass, YC-backed startup (W18), builds an online marketplace for local restaurants
- Built a full-stack React-Native App from scratch, allowing users to conduct data analytics and track growth and promotion performance
- Added accounting functionality into the client-app, which increased company's overall GMV
- Fixed bugs that prevented Databases from parsing/reading conflicting queries

**Bayesquare · Software Engineering intern**

**June - Aug 2019**

- Helped Bayesquare Foundation develop Machine Learning applications to Finance
- Was the only Undergraduate intern, worked with PhDs and Researchers
- Applied Bayesian statistics to foreign exchange trading project for Goldman Sachs executive; using KNN, Keras + Tensorflow to estimate portfolio returns
- Extracted and filtered climate change Data using various Python libraries (BeautifulSoup, created a Pandas DataFrame, Pickle module) for a project that predicts oil futures

**TAVTech Fellowship · Software Engineering & Machine Learning fellow**

**Dec 2018 - Jan 2019**

- 5-week fellowship in Tel Aviv, Israel in Machine Learning & Computer Vision (TensorFlow, Keras, NLP, Deep Learning); Taught by Gil Levi, PhD in Deep Learning
- Built Computer Vision Project that identifies and tracks growth of Cancerous Moles on skin, created powerful Image Classification model using Keras, SciPy, Tensorflow, and Python
- Pitched my Project to Israeli Venture Capitalist firms ICV and Elevator Fund, Received grant

**J.P. Morgan · Software Engineering intern**

**Oct 2016 - Jan 2017**

- Developed mobile app for BRIC Arts Media non-profit organization; Allows users to upload long-form Video Files for streaming, using Java Media Framework API, Node.js, and Passport
- Assisted in Credit Card division automation, payment automation and processing with JSON
- Team Captain for J.P. Morgan's Code for Good Hackathon, Finalist

## Skills

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**Languages & Frameworks:** Java, C/C++, Python, JavaScript, HTML5/CSS3, SQL, Git, Tensorflow

**Skills & Interests:** Sudoku, 35mm film photography, science experiments