

NATASHA SHARMA

Software Engineer

CONTACT

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EXPERIENCE

Chainalysis • Data Engineer • Nov 2020 - Present

- Chainalysis is a blockchain analytics firm that builds software to help government agencies and crypto businesses understand blockchain technology and solve cryptocurrency crime
- **Led data project for FBI and CIA** to track activity associated with Russian activist Alexei Navalny's Bitcoin addresses, using Python and our Reactor software
- **Built backend infrastructure** by writing Terraform modules to automate AWS data ingestion
- **Implemented an API** that allows clients to pull real-time cryptocurrency market data from our databases and interact with our software

Snackpass • Full-Stack Software Engineer • June 2020 - Nov 2020

- Snackpass, backed by Andreessen Horowitz and Y Combinator (W18), is a consumer tech company building an e-commerce marketplace
- **Single-handedly built a React-Native App** for our investors to conduct Data Analytics and track company growth and performance.
- **Patched bugs** that prevented API calls from performing correctly
- **Implemented server-side infrastructure** and API calls, using Redis and Doppler

Y Combinator • Software Engineer • April 2020 - June 2020

- Silicon Valley-based venture capital firm, worked with Data Analytics team
- **Built scalable program in Java** that refreshes and updates Dataset values
- **Automated the ingestion of high-volume Datasets**, sorted data, and used Python libraries Hypertunity, FastAI, and PyTorch to find the optimal point of convergence of data

TAVTech • Software Engineer & Machine Learning Fellow • Dec 2018 - Jan 2019

- **5-week fellowship in Tel Aviv, Israel** in Software Engineering & Machine Learning (TensorFlow, Keras, NLP, Deep Learning); Taught by Gil Levi, PhD in Deep Learning
- **Built an Application** that identifies and tracks the growth of Cancerous moles; users can upload photos to an App; application uses powerful Image Classification model with Keras, SciPy
- **Won startup pitch competition**, pitched to Israeli Venture Capitalist firms ICV and Elevator Fund; received grant

J.P. Morgan • Software Engineer Intern • Oct 2016 - Jan 2017

- **Built a Mobile App and remote Server** for JPM-sponsored non-profit organization BRIC Arts Media; allows users to upload long-form video files for streaming, using Java Media Framework API, Node.js, and Passport Authentication
- **Automated payment processor data** into easily digestible JSON files; worked closely with Credit Card division team
- **Fixed API calls** that were parsing data incorrectly and passing on errors to the Server and Databases
- **Team Captain** for J.P. Morgan's Code For Good Hackathon; created winning solution, Finalist

EDUCATION

New York University
B.A. in Computer Science
May 2020

LANGUAGES

Java, C/C++, React, React Native, Python, JavaScript, Node.js, HTML5, CSS3, TypeScript, SQL

FRAMEWORKS

Git, TensorFlow, XCode, Android Studio, Heroku Cloud Platform, Esper DevOps, Doppler, Redis, Airtable API

SKILLS & INTERESTS

Chess
35mm film photography
Science Experiments
Hindi, Arabic, Urdu

LEADERSHIP

J.P. Morgan Hackathon Finalist
NYU's Women in Computing Hackathon Team Leader