NATASHA SHARMA

Software Engineer

CONTACT

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EDUCATION

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

EXPERIENCE

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

- 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.
- Increased company's overall GMV by building accounting functionality and a forecasting tool into the client app
- 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 a 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 or convergence of data

Bayesquare • Software Engineer Intern • June 2019 - Aug 2019

- Bayesquare develops machine learning applications to finance
- Was the only undergraduate intern, worked with PhDs and Researchers
- Extracted, filtered, and sorted Climate Change Data for a project that predicts natural gas futures; used Python libraries BeautifulSoup, Pandas, and Pickle
- Applied Python libraries Keras & TensorFlow to estimate Portfolio Returns for Goldman Sachs foreign exchange rate project

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
- Pitched my Project to Israeli Venture Capitalist firms ICV and Elevator Fund; winning solution, received grant

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

- Built a Mobile App and a 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
- Added compression algorithm to make data transfer faster
- 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

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