

Aparimeya Taneja

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EDUCATION

Duke University

Expected December 2021

Bachelor of Science in Computer Science

Durham, NC

- **Teaching Assistant** for **Systems Architecture**. Graded work and conducted weekly recitation classes.
- Partook in an **Independent Study** under Dr. S. Roy to develop an app to interactively **debug SQL queries**.

WORK EXPERIENCE

Appfolio Investment Management

May 2021 - Present

Fullstack Software Engineering Intern

Santa Barbra, CA

- Worked in a team on a portal used by General and Limited Partners in over **800** investment firms. Met directly with clients to deploy most **value adding** solutions in an **AGILE** development process.
- Conducted **TDD** with **Cypress** to develop full stack features using **React** and **Ruby**. Also conducted **QA** for them.

StudentSide

July 2020 - September 2020

Backend Developer

Massapequa Park, NY

- Developed **Python** based **GCP Cloud Functions** as **REST APIs** with **JWT** authentication to be used by the frontend. This allowed for secure modular bookings to a **PostgreSQL AWS D3 Instance**.
- Configured a **JAM-stack** architecture for the deployment by hosting the static **React** site on a **CDN**, which improved load times by **50%**.

ESSI Integrated Technologies

June 2019 - July 2019

UI/UX Designer and Software Engineering Intern

New Delhi, India

- Redesigned and rebuilt an outdated UI in **Vue** with support for mobile and accessibility, and a focus on intuitive layouts and better UX. This **increased productivity** while modernizing and improving design style.
- Contributed to building a **NodeJS** server and a **MySQL** database to record data on realtime locations of vehicles and routes for the National Defence College.

FEATURED PROJECTS

StockHub - ([stockhub.app](#))

June 2020 - Present

Founder and Lead Developer

New Delhi, India

- Single handedly created a web app which tracks daily Tweets and Reddit posts for about **8000 US securities**, and options data for **535 securities** every **5 minutes**. This free analysis tool identifies short term trends.
- Developed **Python** based **GCP Cloud Functions** as the backend to collect and store all data to **Firebase RTDB** and conduct **NLP** on all posts/tweets to generate an average sentiment score for each of the **8000 stocks**. This allowed for scalability to about **300,000 data points daily** in my data pipeline, while costing only **\$4/month**.
- Reduced **load size** by **98%** with a **server side rendered PWA**. This resulted in a high quality mobile experience.
- Leveraged **Google Analytics** and observed **1000+ weekly sessions**. Added custom events for future research.

Intel ISEF & IRIS National Fair

December 2016 - May 2017

International Science Fair, Innovative Research

Los Angeles, CA

- Represented India internationally, and was awarded **3rd place in the world** among **800 participants** in my project category at the **2017 Intel ISEF**. Developed a MWCNT 2-phase electrode.
- Conducted research in **IIT Delhi's** lab, and generated **2400+ data points** for use in my research paper.

SKILLS AND INTERESTS

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|----------------------|---------------------------------------------------------------------------------|
| Languages: | Java, C++, Python, Scheme, Ruby, JavaScript/TypeScript, HTML5, CSS, SQL. |
| Technologies: | NodeJS, Docker, GCP, AWS, React, Svelte, CloudFlare, Vue, Adobe (PS, AI, XD) |
| Coursework: | Systems Architecture, Algorithm Design, Databases, DSA, Functional Programming. |
| Interests: | Art, VR, Tennis, Gaming, EDM, G-Eazy, Sigma Alpha Epsilon Fraternity (ΣAE). |