

## Education

**Drexel Uni.** | Sophomore | Pennoni Honors College | BS in Computer Science, 2023 **GPA 3.95**

**Relevant Courses** : Calculus I, II, III • Linear Algebra • Multivariate Calculus • Intro to Comp Sci • Comp Prog. I, II  
• Math Foun. for Comp Sci • Adv Prog. Tools and Techniques

**Campus Involvement**: Drexel CyberDragons Comp. Security Club • Math and Comp. Sci Soc. • Drexel Club Squash  
• Drexel Indian Undergraduate Student Association (Executive Board Member)

**Stanford Uni.** | Pre-Collegiate Summer - Knot Theory (Math) | June-July, 2016 | **Full-ride Scholar**

## Skills

**Programming Languages**: Python 3, Java, JavaScript, HTML5, CSS, Racket, BASH, LaTeX, XML

**Tools & Frameworks**: Unix, Windows, Git, Bootstrap, React JS, Azure ML Studio, Firebase, GIMP, MS Office

## Projects (more on [GitHub](https://github.com))

**Flu – Finder** • Full-Stack Developer

**Jan, 2019 - Present**

- **Designing** a web-based interface to keep a track of influenza cases and display relevant statistics for users
- **Hosting** the complete website on .com domain using the **FileZilla software** -- <https://flu-finder.com>
- **Implementing** a system to **take user-inputs, store the data** using **Firebase**, and **process the data** to obtain **flu-statistics** for the **specific regions** (zip-code based)
- **Displaying** the obtained statistics for the relevant locations on a color-coded map using **Google Maps API**
- **Developing** a **business plan**, to collect funds for maintaining and marketing the final product

**Cubesat Interplanetary Optical Navigation**

**ProfHacks 2019 Project**

- **Individually designed, developed, and hosted** the complete website for the project **overnight**
- **Derived** the math algorithm for the distance calculation of the cubesat from unknown planetary bodies
- Check <https://cubesat-ion.com>

**JavaScript Version of Lunar Lander**

**Oct, 2019 – Dec, 2019**

- **Implemented** JavaScript version of the 1969 Lunar Lander originally implemented by Tim Storer using **FOCAL**
- Check <https://www.cs.drexel.edu/~vck29/newlunarlander.html>

**Medi Freeze : Innovative Produce & Marketing Competition**

**Jun, 2017 – Aug, 2017**

- **Founder and Team Leader**
- **Designed** a travel-friendly medical device for storage and cooling of temperature-specific medical products using Peltier effect. Visit [medifreeze.weebly.com](https://medifreeze.weebly.com)

**Text-Based Railway Management**

**Jan, 2015 – Feb, 2015**

- **Project Manager and Developer**
- **Developed** the ticket booking, inquiry, cancellations, and station maintenance sections. See [GitHub Repo](#)

## Experiences

**Buskers Philly Non-Profit Organization** • Full-Stack Developer

**April, 2019 - Present**

- **Volunteering** to build an interface that helps buskers to connect and find opportunities in Philadelphia
- **Implementing** the secure and interactive user interface using **React JS** and database using the **Firebase**
- **Developing** a system for the users and buskers to **send and receive payments** using various mediums
- **Planning** on building a **website, android, and an IOS application** by collaborating with a team of people

**Mathematics and Computer Science Society** • Vice-President

**Sept, 2018 - Present**

- **Planning** an Apollo Guidance Computer Talk based on my research paper with the faculty.
- **Organized** an Open-Source Software, Cigna Health Care Tech Talk, Introduction to Comp Sci course review for interested members.
- **Update** the organization website as per the needs and **manage** the event forms, facilities, and funds.