



## EXPERIENCE

### STUDENTAVE | Co-Founder

#### The One-Stop Marketplace for College Students

June 2017 - Current

- Identified a market opportunity for a peer to peer student marketplace
- Spear-headed the creation of an end-to-end solution (Consumer Research, Use cases, System Requirements, Technologies Required) to build a marketplace platform for the American college student community
- Built the entire full-stack solution in .NET Core & Xamarin
- Result:** Onboarded 200+ students service providers & local businesses at UC San Diego, UC Santa Barbara, & Stanford University to build a student marketplace community
- Technologies Used:** Xamarin, C#, .NET Components, HTML, CSS, JavaScript, Bootstrap, ASP.NET, MySQL, Azure App Services, MVVM Design pattern

### SYSTEMS USA | Solutions Engineering Intern

Summer 2016

- Worked closely with the company's management team to build the company's in-house management platform
- Built the entire full-stack solution
- Result:** The platform was adopted by the company's management team to coordinate with 100+ users
- Technologies Used:** Xamarin.Forms, C#, .NET Components

### UC SAN DIEGO BOOKSTORE | Front-end Engineer

January 2016 - March 2018

- Engineered multiple solutions for UCSD Bookstore's online storefront
- Optimized the storefront for mobile and re-designed it to meet the University's updated brand guidelines
- Result:** Improved mobile experience of the store for over 30,000+ UC San Diego students
- Technologies Used:** HTML, CSS, JavaScript, Bootstrap, ASP.NET



## SIDE-PROJECTS

### TWITTER SENTIMENT ANALYZER | Amazon Alexa Skill

Hackathon project - SD Hacks 2017

- Built an Alexa skill that analyzes sentiments about a topic on Twitter
- Architected the use cases, system requirements and the skill's interaction experience
- Implemented Natural Language Processing methods using Text-Blob, used the Twitter API to scrape Tweets around a topic, and built the Alexa skill using Flask-Ask and Python
- Result:** Increased convenience for improving my awareness of public opinion around various topics
- Technologies Used:** Python, Flask, Flask-Ask, TextBlob, and Twitter API

### SYNAPSE | Peer-to-peer Web Hosting Platform

Hackathon project - SD Hacks 2016

- Engineered a web platform that allows hosting websites on a complete server-less backend. The platform allows a user to simply drag their HTML front-end onto the app and uploads it to a peer-to-peer network using on the Web-torrents platform
- Architected the use cases, system requirements and the product experience
- Engineered the front-end using HTML, CSS, Javascript
- Coordinated the entire engineering process with my Hackathon team
- Result:** Created an ability to deploy landing pages over short-links with no costs of hosting or servers
- Technologies Used:** Web-Torrents API, HTML, CSS, and Javascript

### THE FOOTBALL CHRONICLE | Online Soccer Magazine

January 2014 - December 2015

- Addressed an opportunity to build one of India's first online-football magazines
- Implemented a Wordpress stack and designed a theme to meet the product experience requirements and lead a team of 20 people to produce high-quality content on Soccer
- Result:** 110,000 active users in India reading quality football content



## EDUCATION

### UC San Diego

BS in Computer Science - Mathematics

**Expected December 2019**



## RELEVANT COURSEWORK

### UNDERGRADUATE

Software Engineering Principles  
Advanced Data Structures  
Discrete Mathematics  
Combinatorics  
Design and Analysis of Algorithms  
Data structures and Object oriented design  
Theory of Computation  
Computer Organization and Systems Programming  
Introduction to Programming with Java

### HIGH SCHOOL, CBSE

Object oriented programming (C++)  
Relational databases (SQL)  
Basic Data Structures



## MENTIONS AND AWARDS

### TIMES OF INDIA - Newspaper

<https://avb7.github.io/assets/content/TOI.jpg>

Featured in the Times of India newspaper for App development & Entrepreneurship

### ACADEMIC EXCELLENCE IN COMPUTER SCIENCE

School rank #1 in my high school's computer science department.

### TEDx Delhi University Speaker

Addressed the issue of low Cyber-security awareness in India



## SKILLS

### PROGRAMMING LANGUAGES

C#, C++, C, JavaScript

### OTHER

.NET, Xamarin, Linux, UNIX, HTML, CSS, XAML, REST, Git, Azure, Sketch, Invision



<https://avb7.github.io>

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