

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

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:** Created an ability to understand the sentiments of twitter users around a topic through a voice interface
- 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 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 a drag-and-drop tool to host a HTML file on a torrent network
- 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 web and app development

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 the Indian masses in front of 300 people.

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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view all
of my work.