

# ARYAMAN SINGH

## San Diego, CA

aps010@ucsd.edu

<https://github.com/aryamanpsingh>

## PROJECTS

### Stat90.com

2018-

*Using data science to enhance soccer*

- **Vision** – Revolutionizing sports analysis, looking only at numbers, thereby eliminating any biases or chances for subjectivity.
- The site contains 3 sections. **Analysis** - involves articles written weekly analyzing interesting graphs, **Visualize**- an aesthetic amalgam of all graphs generated in research, and **Predict**- an implementation of ML models in game-like predictors.
- *Primary tools: Python (multiple plotting + ML libraries), CSS, JavaScript, my Web-scraper*

### Score Predictor

2018-

*Aims to accurately predict outcomes of soccer games*

- Working with numerous datasets with the ultimate objective of **identifying stats most crucial to game results**
- *Primary tools: Python (pandas,sk-learn,matplotlib)*

### The Football Chronicle

2014-2016

*Web platform for soccer related articles.*

- **Aimed at people just getting into soccer** because of the World Cup
- Peaked at **200,000 total visitors, 25+ person team**
- *Primary tools: PHP, WordPress*

### Web-scraper

2018

*Tool for scraping data and creating csv dataset*

- Developed as a **helper program to collect data** which isn't easily available in premade datasets
- Easily modified to scrape any type of data
- *Primary tools: Python (selenium)*

### Voyage Browser

2014

*Webkit-based web browser*

- Developed in high school using **OpenWebKitSharp in Visual Studio**.
- Capable of HTML5 & CSS3 support.

## School Website

2013

*Official website of my high school.*

- Created a website for my high-school at their request as I was winning numerous web design competition in my area.
- *Primary tools; HTML, CSS and JavaScript & ASP .NET.*

## EXPERIENCE

### Housing Dining & Hospitality | UCSD

2018

*Dining Systems Office Asst.*

- Worked as a student assistant helping manage the framework used for logging inventory, recipes and finances at UCSD-run restaurants.
- Involved work in an office environment with a team, working toward fixing issues with the system to ensure smooth functioning.

## EDUCATION

### UC San Diego | La Jolla, CA

2015-

*B.S Math-Computer Science*

(Expected graduation- 2020)

## RELEVANT COURSEWORK

- Data Structures & Object Oriented Design
- Math for Algorithms & Systems
- Combinatorics
- Probability
- Game Theory
- Mathematical Analysis
- Intro to Computational Statistics

**High School:** OOP (C++), MySQL

## AWARDS & RECOGNITION

### Times of India - Magazine

2015

- Featured in an article for app development and entrepreneurship.
- <https://avb7.github.io/assets/content/TOI.jpg>

*Founded my school's first IT club*

## SKILLS

- **Programming languages:** Python, Java, C++, Swift
- **Web Dev:** HTML, CSS, JavaScript, PHP
- **Data:** Pandas, scikit-learn, web-scraping, SQL