ARYAMAN SINGH

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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 jn 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 socce**r 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