

VARUN NADGIR

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varun.pro/projects

EDUCATION

Springboard: Data Science Career Track

2018

Currently enrolled

Capstone Project 1: "Esports Statistics: League of Legends"

- Analyzed behaviors of professional teams/players to explore what strategies are more successful than others, using Python libraries such as pandas, numpy, scipy, and matplotlib

Capstone Project 2: "Musical Analysis of 10,000 Songs" (**In Progress**)

- Using scikit-learn to cluster artists/songs based on characteristics such as key signature, time signature, and duration, among other features
- Analyzing the word frequency of artist names/album titles/song titles per genre to identify their most common terms

Springboard: Introduction to Data Science

2017

Certificate: "Introduction to Data Science"

Capstone Project: "[Improving the Services of The College Scorecard](#)"

- Employed linear regression and clustering algorithms to build cost prediction and college recommendation tools using R
- Used ggplot2 to create visualizations of various trends in higher education, eg. graduation rates in Mathematics by State

Massachusetts Institute of Technology (Online with GetSmarter)

2016

Certificate: "Big Data and Social Analytics"

- Explored the ethics behind data analytics while doing projects with Python

University of Massachusetts, Amherst

2015

Bachelor of Science in Mathematics

EXPERIENCE

Findability Sciences - Analyst

October 2015 - February 2017

- Studied large client relational database of sensitive medical data and wrote the SQL queries needed to populate back-end database in Microsoft SQL Server, while also performing occasional data cleaning to account for changes in company policies, naming schema, and potential errors
- Helped clients visualize their donor behaviors by developing and updating an online UI, and our client had reported increased donor retention by about 15% in the first year of the 3-year project
- Prepared cron jobs, reviewed logs, and ran bug tests to ensure version quality
- Coordinated with clients and our developers across opposite time-zones, requiring a strong understanding of our project goals and clients' needs

iGradeEdu - Instructor

April 2015 - February 2017

- Prepared online mathematics lessons for students ranging from 4th to 10th grade
- Organized an online tournament with multiple high schools participating remotely
- Worked on presentation skills necessary for explaining concepts to those unfamiliar with a certain subject
- Helped to manage a startup project in a team environment

ADDITIONAL SKILLS

- Passionate musician/composer: I play guitar and piano, as well as write my own music using Ableton
- Avid gamer: My love for problem solving has expressed itself through gaming from a very young age