



# Pranav Nagarajan

Technical Analytics Intern at Nashville SC

A self-taught Industry 4.0 Engineer with a versatile skill-set, who is passionate about working in the intersection of Sports and Data Science. Aspires to be a Soccer Data Scientist at a professional level. Open-Source Tech Evangelist and a lifelong learner.

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## INTERNSHIPS

### Technical Analytics Intern Nashville Soccer Club

01/2020 - Present Nashville, Tennessee  
*An Expansion Club in MLS, USA. Works include, but not limited to :*

- Built data pipelines to merge event and tracking data from different sources, create bespoke metrics to quantify the club's game model.
- Created portals, match reports and coach-friendly visualizations to support Player Recruitment process, Match Analysis, Ad-hoc player/team analysis.
- Automated report generation and pushed all codes to a centralized package for use by other analysts.

### Cricket Analyst Kadamba Tech Private Limited

05/2019 - 07/2019 Chennai, India  
*Data Provider in the domain of Cricket Analytics*

- Investigated KPIs indicating a Team's and Player's performance. Retrieved required data using SQL and visualized them using Tableau.
- Assisted Senior Analysts in sending Match Preview dockets to ESPN, Star, Cricket.com by querying required data from the database with proper validation.
- Developed Marcos in MS-Excel to speed up process of tabulating data for documentation purposes.

### Cross-Platform App Developer (Intern) Clayfin Technologies Pvt Ltd

05/2018 - 06/2018 Chennai, India  
*Provider of Digital Banking Experience Solutions.*

- Implemented an application based on Android/iOS platform for Student Registration System using Microsoft Visual Studio.
- Scaled the production of the app to various OS platforms using Apache Cordova.
- Managed creation and purging of databases based on age of online transaction records.

## EDUCATION

### M.Sc - Data Science Vellore Institute of Technology, Chennai

08/2020 - Present Chennai

### B.Tech - Electronics & Computer Engineering Vellore Institute of Technology, Chennai

06/2016 - 05/2020 8.89 CGPA

## EXPERTISE

Building Viz Dashboards	Creating APIs
Serverless Computing	Cloud Services
Web Scraping	Data Engineering
Creating ML/DL pipelines	Process Automation
Cross Platform App Development	Package Development

## PERSONAL PROJECTS

### Optical Player Tracking System In Soccer (04/2019)

- Detect and Track the players in a football match and store the data to provide information like heat-maps, average playing position etc. so that a performance analysis can be carried out in the future.

### ExtractDate - An API to extract dates from an image. (12/2019)

- An API to extract dates from an image (say Bill or Receipt) using OpenCV techniques. The API accepts base64 encoded images as input returns the dates present in the image in JSON format.

### statsguRu - R Package for Visual Analytics in Cricket (05/2019)

- Developed an R package to analyze performance of Cricket Players using data from ESPN's Statsguru accompanied with a Shiny App as a dashboard derived from functions of the package.
- The package is available on R CRAN.

## ACHIEVEMENTS

### Best Project Award - Smart Irrigation

*Awarded for the project titled "Smart Irrigation" issued by School of Computing Science and Engineering, VIT Chennai for the project component of the course "Technical Answers for Real World Problems"*

### 2nd Place - Python Programming

*Secured Second place in University wide "Python Programming" assessment test.*

### 3rd Place - IEEE CS Hackathon - Predicted a Building's Susceptibility to Earthquakes and automated the Alert Management System.

*Secured third place among top 17 teams in the final round of 24 hour hackathon "HackHub" organized by IEEE Computer Society VIT Chennai.*

## LANGUAGES

English Full Professional Proficiency	Tamil, Kannada Native or Bilingual Proficiency
German, Hindi Limited Working Proficiency	Spanish Elementary Proficiency