



Pranav Nagarajan

Aspiring Soccer Data Scientist

A versatile skilled Industry 4.0 Engineer who enjoys working in the intersection of Sports and Data Science. 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 Major League Soccer, USA

- Build data pipelines to merge event and tracking data from different sources, create bespoke metrics to quantify the club's game model.
- Build portals, match reports and coach-friendly visualizations to support Player Recruitment process, Match Analysis, Ad-hoc player/team analysis.
- Automate report generation and push 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 Macros 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 Apache Cordova and Microsoft Visual Studio.
- Managed creation and purging of databases based on age of online transaction records.

EDUCATION

M.Sc - Data Science Vellore Institute of Technology

08/2020 - Present *Chennai*

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

06/2016 - 05/2020 *8.89 CGPA*

EXPERTISE

Building 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

- 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.

- 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

- 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

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

Secured third place among top 17 teams after the final round in the 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