

PRANAV NAGARAJAN

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Residence : Chennai, India



CAREER OBJECTIVE

Aspiring Data Scientist with experience in Data Visualization, currently learning on devising data-driven strategies to enhance process efficiency and has a huge appetite to implement them using open-source tools and cutting-edge cloud technologies. Has a strong desire to work in the fields of Sports Intelligence, Process Mining, Energy Analytics.

INTERNSHIPS

Kadamba Technologies Pvt Ltd, Chennai

May 2019 - July 2019

Cricket Analyst

- 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.

Clayfin Technologies Pvt Ltd, Chennai

May 2018 - June 2018

Cross-Platform App Development

- 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

Vellore Institute of Technology, Chennai

June. 2016 - Aug 2020 (Expected)

Batchelor of Technology in Electronics and Computer Engineering - 87.2%

DAV Matric Higher Seconday School, Chennai

June. 2014 - Apr. 2016

Computer Science Stream – 96.9%

Smt Durgadevi Choudhary Vivekananda Vidyalaya, Chennai

June. 2013 - Mar. 2014

Grade 10 - 100%

PROJECTS

• R Shiny Dashboard

May 2019 - Present

R Shiny Application to visualize Performance of Cricketers using my R package statsguRu.
[Link to Project](#)

• Docker for NS2

Feb 2019

Built and deployed a light weight Ubuntu container to run Network Simulator 2 with GUI support, to enable hassle free installation and usage of Applications like NS2, TraceGraph, XGraph and

other networking softwares for UNIX environment.

[Link to Project](#)

- **Optical Player Tracking System In Soccer** *Jan 2019 - Apr 2019*
Detect and Track the players in a football match and store the data to provide information like heatmaps, average playing position etc. so that a performance analysis can be carried out in the future.
[Link to Project](#)
- **Football Match Prediction using Statistical Learning** *Aug 2018 - Dec 2018*
Developed and Compared the accuracy of various Machine Learning Algorithms in predicting the outcome of a football match using R Programming language.
[Link to Project](#)
- **Smart Energy Monitor** *Aug 2018 - Oct 2018*
Monitor our residential electricity usage from anywhere in the world and get a SMS/E-mail when the energy consumption crosses a manually configured threshold value.

HONORS AND AWARDS

- **3rd Place, IEEE Computer Society 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.
- **100% Attendance Awards**
Certificate of Appreciation for having 100% Attendance during AY 2017-18 and AY 2018-2019.
- **Best Project Award**
Awarded by the School of Computing Science and Engineering for the project title Smart Irrigation.
- **Certificate of Excellence - 2nd Place - Python Programming**
Secured Second place in University wide "Python Programming" assessment test conducted by LInux User Group of VIT supported by IIT Bombay and MHRD, Govt. Of INDIA.
- **Certificate of Merit - SSLC**
Certificate of Appreciation for Outstanding Performance and For Obtaining Grade 'A1' in All Subjects.

LEADERSHIP AND VOLUNTEER EXPERIENCE

- **Program Representative | Electronics and Computer Engineering** *Aug 2019 - Present*
Program Representative of the first ever Electronics and Computer Engineering department batch from VIT University. Serving as a Liaison between Dean, Program Chair, Co chairs and fellow students of the same batch.
- **Co-Ordinator, Events | TechnoVIT 2018** *Sep 2018*
Co-Ordinated the RC Boat Race event "NFS Aqua 2.0" in ConnectiVITieee/TechnoVIT 2018.
- **Organizer, Events | TechnoVIT 2017** *Sep 2017*
Organized NFS Aqua which was the "Star Event" of ConnectiVITieee/TechnoVIT 2017 . NFS Aqua was a Remote Controlled Boat Race event, in which participants were required to complete time trials by passing through barriers and obstacles.

- **Member** | VITCC Robotics Club

Aug 2017 - May 2018

Actively Participated in workshops and makeathons conducted by the Robotics Club in VIT University Chennai Campus.

FIELDS OF INTEREST

1. Data Science {Data Engineering | Data Visualization | Machine Learning | Deep Learning}
2. Process Mining
3. Network Engineering

PUBLICATIONS (IN PROGRESS)

- **"statsguru" - R Package (Non Peer Reviewed)**

May 2019 - Present

R package to analyze performance of Cricket Players using data from ESPN's Statsguru. Using this package we can scrap Test Matches, One Day Internationals, Twenty-20 Internationals data of a player from ESPNcricinfo's Statsguru and then visualize their batting, bowling and fielding performances in the form of charts and graphs. This package is currently available in CRAN.

[Link to Project](#)

- **Evaluating Compressive Strength of Concrete Aggregates using Statistical Learning.**

Aug 2019 - Present

An Analytical approach in determining various factors affecting the compressive Strength of a mixture containing Cement, Fly Ash, GGBS, A strengthening additive and using a model to predict the Strength of a new proportion of the same constituents.

TECHINICAL SKILLS

Programming Languages:

Advanced : C, R, SQL

Intermediate : Python, Java, C++, HTML, JavaScript, CSS, PHP

Platforms and Software Packages:

Advanced : Tableau, Amazon Web Services, Linux

Intermediate : NodeJS, Docker, Power BI, IBM Cloud, Apache Spark, Apache Cordova

Novice : Apache Zeppelin, Bootstrap Studio, Packet Tracer, WireShark

Familiar Packages in Data Science:

Discipline	Packages
Data Visualization	Matplotlib, Plotly, ggplot2, Seaborn, D3.JS
Data Engineering	Pandas, SciKit-Learn, NumPy, R Shiny

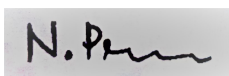
LANGUAGES

English : Full Professional Proficiency

Kannada, Tamil : Native or Bilingual proficiency

German, Hindi : Elementary Proficiency

Chennai, November 22, 2019



Signature

(Pranav Nagarajan)