

# J Dheeraj Kumar

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## CAREER OBJECTIVE

To bond up with a dynamic and growth oriented organization which provides opportunities for the enhancement of my skills and to be a part of its success by driving the business through data driven solutions.

## EDUCATIONAL QUALIFICATIONS

**Vellore Institute of Technology, Vellore, Tamil Nadu**

**Jul 2016 - Apr 2018**

Master of Technology in Computer Science

**CMR Engineering College, Hyderabad, Telangana**

**Aug 2011 - May 2015**

Bachelor of Technology in Computer Science

## TECHNICAL SKILLS

- Languages : Python, R and Shell Scripting
- Databases : MySQL and MongoDB
- Web Design : HTML, CSS, JavaScript and Restful API's
- Web Frameworks : Django and Flask
- Cloud Technologies : GCP and AWS
- CI/CD & version Control : Docker and Git
- Operating System : Windows and Ubuntu
- MS Office Suite : Excel, PowerPoint and Word

## WORK EXPERIENCE

**Corteva Agriscience, Hyderabad - Software Development (Bioinformatics) Intern**

**Jan 2020 – Dec 2020**

- Developed prediction tool for predicting N and O Linked Glycosites in prokaryotic protein sequences
- Developed webserver for Calculation of Net Protein Charge (pH) and Isoelectric Point (pI)
- Developed backend python scripts for bioinformatics fasta format data required for the database

**Montaigne Smart Business Solutions, Hyderabad - Data Science Intern**

**Apr 2019 – Jul 2019**

- Developed python scripts for analyzing 'DataM Intelligence' market research and business intelligence client
- URL stands position one in google search engine console and by analyzing raw data that is various keywords
- Which are being monetized and generated from 'Lead Mirror' Digital Marketing application software
- It is an all-in-one SEO tool used for analyzing customer behavior patterns for lead generation and sales
- Various keywords across industry verticals of our client and competitors being generated from Lead Mirror
- Based on that two test cases have been implemented for analyzing the organic search results of our client URL and competitor URL are in 'exact phrase' or 'broad phrase' match in which all of the HTML tags
- The results have been verified by plotting histograms and analyzing whether the keywords are appearing in which HTML tags mostly
- Finally verifying which competitor's URL stands in position number one in google search engine console V/S our client URL is ranking in which position vice-versa

**Edvisor, Hyderabad - Data Science Trainee**

**Jun 2018 – Jan 2019**

- Developed predicting script for total bike rental count for daily based on environmental and seasonal settings
- Finalized result that how many customers have rented the bike or not
- Developed python script for predicting customer churn reduction for telecom dataset
- Finalized churn rate results that how many customers have churned or not

## **ACADEMIC PROJECTS**

### **Framers Crop Insurance System**

**Mar - 2017**

- Farmer's crop insurance system is a user-friendly server it helps to access for any farmer to register by using their phone number with password
- After providing necessary details the farmer will get the login id and password to his mail. Crop insurance is recognized to be basic instrument for maintaining stability in farm income, through promoting technology, encouraging investment and increasing credit flow in the agriculture sector
- Technologies used for application development are HTML, Bootstrap, JavaScript for front end webserver and Node-JS, MongoDB for backend database

### **Agriculture Information Management**

**Apr - 2015**

- Implemented voice-based interaction between farmer and the application server with technologies like Java, JSP, JDBC for database connectivity with Oracle 10G for backend and HTML, CSS for front end web application pages creation, used VXML for voice interaction purpose to convert speech-to-text and text-to-speech conversion

## **PUBICATION**

- Presented paper on '**An Investigation on Educational Data Mining to Analyze and Predict the Students' Academic Performance Using Visualization**' at **Springer** International conference on Information System Design and Intelligent Applications (AISC) India 19-21 July 2018.
- Published paper in Information System Design and Intelligent Applications Journal ISBN: 978-981-13-3328-6

## **TECHNICAL ACTIVITIES**

- Won a medal as best team player for cricket competition held at CMR Engineering College in the year 2011
- Participated in technical seminars on IOT, Cloud Computing, Big Data, and Restful web services
- Presented academic projects paper and poster presentations held on VIT SET Conference
- Organized first technical fest Avazya (2K14) a National Level Technical Symposium fest held on (9-10) January 2014 which was organized by CMR Engineering College.

## **STRENGTHS**

- Good communication and presentation skills
- Dedication to work and zeal to learn new technologies
- Creative thinking and positive attitude
- Team player and adaptability to changes

## **HOBBIES**

- Playing cricket
- Chess
- Carroms
- Badminton

## **PERSONAL DETAILS**

- Date of birth : 12-04-1994
- Gender : Male
- Languages : English, Telugu and Hindi