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| * DataCamp certified Data scientist * Worked with teams, involved in creating full-scale data solutions and industry-specific products * Proficient in understanding and analyzing of **data pertaining to various domains** * Expert in using **all seven layers of “ggplot2”** * Handled over plotting by using certain ways with ggplot2 * Build best-fit models based on the data and providing appropriate insights to business problems * Well versed in using appropriate **“Machine Learning”** & **“Deep Learning”** algorithms * Strong in Building cross validated- best **ensomble models** from scratch (Bagging, Random Forest, SVM, glmnet models) * Expertise in **building statistically significant models** |

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| **Skills** |
| * **Information Technology**   + Data Science     - **R, Python, SQL**, Hive, Pig, Spark & Scala, SPSS, Time Series Analysis, Natural Language Processing   + Analyzing and Visualizing Data with **Excel** & **Tableau**   + **Spatial Analysis** with “sf” and “raster” in R   + Well versed with MS Office Suite( Excel, PowerPoint & Word) * **Business Statistics (Having very strong command)**   + Descriptive Statistics   + Inferential Statistics   + Predictive Analytics |

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| **Professional Experience** | |
| **First Tech Consulting Data Scientist** | |
| **Project 1** | **Healthcare Analytics** |
| **Description** | This project deals with trauma cases coming to the hospital for treatment. The main objective is to find out the relationship and association between injury types. By using these hidden relations, associations & patterns doctors/physicians recommend different tests and scanning |
| **Responsibilities** | * Cleaned & transformed the data to do required analysis (**By using “dplyr”, “tidyr”** packages) * Performed **chi-square test analysis** to check tests of independence * Used "**apriori**" algorithm **to mine the strong association rules(ARM)** * **Used supervised & unsupervised modelling techniques using R/Python** * Built multiple models to predict injury types & cause of death by using **“caret”** **package** * Performed Classification using **Deep Learning, Artificial Neural Networks** * Performed AUC & ROC analysis of models built * Compared classification models with Logistic, Decision trees, Random Forests, & SVM techniques * Also performed Regression analysis * Created various functions, which will give detailed summary reports * Used **R markdown** to turn analyses into high quality documents, reports, presentations and dashboards |
| **Project 2** | **Telecommunication Analytics** |
| **Description** | This project deals with voice connectivity and call drop problems. The main objective is to find out the reasons for call drops and voice connectivity problems. Built a classification regression model to predict a call drop |
| **Responsibilities** | * **Boruta** for feature selection * Used base R graphics for exploratory analysis * Used **ggplot2 for explanatory analysis** * Used data imputation techniques for missing data * Performed **multi-collinearity analysis** to find out and handle highly correlating independent variables * Find out the important variables causing call drops * Performed reduction of variable dimensionality by using **scaling and PCA** * Built a model to predict call drops by using machine learning algorithms(Used ensemble models) * Used **confusion matrix** to interpret the output * Used **ROC and AUC** for model performance * Handled overfitting in predictive models * Used R markdown to turn analyses into high quality documents, reports, presentations and dashboards |

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| **Project 3** | **Spatial Data Analysis** |
| **Description** | The brand new **“sf”** package has made working with vector data in R a breeze and the **“raster”** package provides a set of powerful and intuitive tools to work gridded data like satellite imagery. Instead of the painful process of performing spatial analysis in GIS systems like ArcGIS or QGIS and then shuffling results into another system for analysis, move entire spatial analysis workflow into R. The sf package is rapidly taking over spatial analysis in R. A major innovation in sf is that spatial objects are data frames |
| **Responsibilities** | * Will read in spatial data * Manipulate vectors using dplyr package * Working with coordinate reference systems (CRS) * Transform layers to a common CRS * Performing geoprocessing of vectors including buffering, spatial joins , computing intersections, simplifying and measuring distance * Join spatial and non-spatial data * Plotting vector and raster together * Converting sf objects to sp objects and also convert a data frame of coordinates into an sf object * Aggregate, reclassify, crop, mask and extract with rasters * Making maps with the ggplot2 and tmap packages |
| **Indian Army** | |
| **Supervisor** | * Supervision of communication Centre * Handling queries at Signals Centre and Telephone Exchange * Security management at unit level * Played major role in **convoy management and coordination** |
| **IT Faculty** | * **Computer faculty** at 4 Technical Training Regiment, Jabalpur (M.P.) * Troubleshooting of computer network errors and office automation * Planning and execution of IT infrastructure development |
| **UN Soldier** | * **Served in UNMIS (United Nations Mission In Sudan)** as a peace keeping Indian Signaler * Supervising the activities in control room * Making patrol sheet & giving clearance to UN convoys * Tracking of UN vehicles by using specially designed vehicle tracking software |

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| **Information Technology Training** | |
| **College** | Military College of Telecommunication Engineering,Mhow(MP) |
| **Course Title** | IT (Specialist) Database Management |
| **Accomplishments** | * Obtained 82.94% * Learned Oracle 10g, Visual Basic and **SQL** * **Recommended for Instructional duties** at cat ‘B’ training establishments * Recommended as an Assistant Programmer at Army Software Development Centre |
| **Project Title** | Automation of technical books library |
| **Accomplishments** | * Made software for technical books library by using Oracle and Visual basic * Fully automated the library * User friendly searching tool and “Book issuing module” |

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| **Education** | | | | |
| **Year** | **Institute** | **Course** | **Key Electives** | **Percentage** |
| **2015-17** | New Delhi Institute Of Management | PGDM | Marketing and Finance specializations | 73 |
| **2008-13** | ANUCDE, Guntur | B.Com | Commerce, Economics & Computers | 44 |
| **2001-03** | S S & N College, Narasaraopet (AP) | Intermediate | Botany, Zoology, Chemistry & Physics | 61 |
| **2001** | Z.P high school, Sirigiripadu (AP) | SSC | N/A | 79 |

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| **Personal Details** | |
| **Date Of Birth** | 10th Apr 1986 |
| **Nationality** | Indian |
| **Marital Status** | Married |
| **Languages Known** | **English, Hindi & Telugu** |
| **Permanent Address** | 4-2-206/A, plot-38, Bharathi nagar colony, Bandlaguda jagir, Hyderabad, Telengana-500086 |