

Rajure Ajay Kumar

Data scientist

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GitHub : <https://github.com/Ajaypr>

Portfolio : <https://ajaypr.github.io/portfolio.github.io/>

Experience Summary:

worked as Data scientist,
with **Gratis Technologies**

Over all 1.9 years of experience in IT industry which includes delivering Data Science/Analyst solutions by managing large number of data sources and a handful of expertise in different technologies like Machine learning, Data Science, Python, R,

Summary of technical expertise:

- Strong analytical knowledge, innovative thinking to extract new meaningful and actionable features from data
- Proficient in building Predictive, Classification, Clustering/Segmentation for Supervised and Unsupervised data
- Having work experience in data analysis, obtain insights from data and then choose appropriate Machine Learning algorithms like Regression, Classification, Decision Tree, Naïve Bayes, KNN, Random Tree/Forest, Support Vector Machines, Time Series and Neural Networks
- Have a keen desire to solve business problems, find patterns and insights within structured and unstructured data
- Passionate about working on large data sets and able to communicate high valued solutions to business stakeholders
- Result oriented team player with excellent communication and interpersonal skills
- Demonstrated history of ability to succeed in a complex, multi-tasking environment; with strong analytical and problem-solving skills with ability to quickly absorb newer technologies.

Certifications:

- Data Science with Python and R
- Machine Learning
- Deep learning With TensorFlow

Professional Experience

Organization	Year	Designation
Gratis Technologies	Jun18 – Feb2020	Data Scientist

Areas of Strength/Expertise

- **Statistical Analysis:** Exploratory Analysis, Data Quality, Test of Hypothesis, Design of Experiments, ANOVA, Regression Models, Functional Models, Classification models, forecasting models, Dimension Reduction: PCA, Cluster Analysis, Recommendations Associations, Model Assessing, Model Validation, Model Diagnostics: Validating assumptions and removing violation(s)
- **Machine Learning:** Random Forest, Text Mining, Sentiment Analysis, Naïve Bayes, KNN, Neural Networks, Clustering, Decision Trees, ADA Boost
- **Tools:** Anaconda, Jupyter Notebook, R-Studio, TensorFlow, NLTK, Tableau, Spark and Scala, SQL Server, Power BI, Microsoft Office, Microsoft Excel
- **Programming:** Python, R Microsoft Excel, Microsoft Office
- **Cloud:** Google Cloud Platform (BigQuery, Bigtable, Cloud Storage, Cloud SQL, Auto ML)

Educational Qualification:

Qualification	College / University / Institution	Year
BTech -Information Technology	Gurunanak Institute of Technology / Affiliated to JNTU, Hyderabad.	2014-2018
Intermediate (Mathematics, Physics, Chemistry)	Sri Chaitanya. Jr. College , Hyderabad	2012-2014
SSC	Loyola High School, Bodhan, Nizamabad	2012

Achievements:

- One of the 2 finalist of GNI Innovation program (GNI) 2018 for the idea posted for 'Detecting Fraud Using AI/ML – Property Insurance Claims'
- Awarded as 'Best Volunteer' for the IGNITE & Cultural Show happened in our College
- Always maintained good relationship with the Team.
- Took active participation in organizing team events.

Project Details:

Role: Data Scientist

Project: Working under multiple projects for Underwriting and Claims

Project description:

Building Recommendation Engine for products and applying Associative Rules for pattern mining. Prediction of Property Insurance Claims fraudulence: Data preparation, Pre-Processing of Data, Modeling, Prediction and Accuracy improvement.

Roles and Responsibilities:

- Performing Significance Testing, Data Pre-processing, writing customized functions, testing, debugging
- Data Analysis, Data cleaning, Data preprocessing, Generating New data
- Statistical modeling, Statistical significance testing
- Problem solving, debugging of code and logic etc.
- Migration of certain parts of code into Python programming
- Performance Optimization of code and execution time

Tools: Jupyter Notebook, Python, R Console, R-Studio, Excel

Role: Data Analyst

Project: Identifying Customer Attitude towards E-Commerce Business

Project description: The purpose of this project is to mainly focus on how demographic variable (Gender, Education, Income, Marital Status, Region and Occupation) and Psychological factors (Motivation, Perception, Learning & Beliefs and attitudes) affect customer buying behavior towards E Commerce & Shop at stores. This project aims to identify the factors that are suitable for building a model for each customer demographic variable which influencing the customer buying behavior towards E Commerce & Shopping at stores

Roles and Responsibilities:

- Study and Deep Understanding of feature variables and data sets
- Performed Data cleaning, transformation, validation with the purpose of understanding or making conclusions from the data for decision making purposes
- Conducted thorough Analysis to understand the origin of the customer arrival, their spending patterns and the number of occurrences by the same customer and accordingly designed a predictive model on the prime area for investing on digital marketing and promotion
- Implementing descriptive statistics and visualization techniques to check the data normality after validation
- Conducted multiple Statistical analysis based on t-test, chi-square test and Hypothesis testing and probability of significance. (Design of Experiments)
- Implementing Predictive and estimation machine learning algorithms including Logistic Regression, Naive Bayes, Decision Tree, KNN
- Document and Report best fit model results for each demographic variable for further business enhancements.

Tools: Jupyter Notebook, Python, Excel

Personal Profile:

Date of birth	:	28 th Jul 1997
Nationality	:	Indian
Marital Status	:	Single
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