# Rajat Prakash Singh
## Data Scientist

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## PROFESSIONAL SUMMARY:

Data Science, 4+ years of broad-based experience in building data-intensive applications, overcoming complex architectural, and scalability issues in diverse industries, Knowledge in data processing, data mining algorithms, and data predictive modeling with 90% accuracy using scripting language- Python and developing language C#(.NET). Capable of creating, developing, testing, and deploying highly adaptive diverse services to translate business and functional qualifications.

## EDUCATION

**Great Lakes Executive Learning, Gurugram**                     May 2021 - May 2022
  Post Graduate in Data Science and Business Analytics

**Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh**                     May 2012 - May 2016
  Bachelor of Technology in Computer Science

## SKILLS:

- **Technical:** Algorithms, Statistics, Data Manipulation and Analysis, Data Visualization, Machine Learning Techniques, Quantitative Analysis, Predictive Modeling, Modeling (Classification, Regression, Decision Trees, K-Nearest Neighbors, Decision Trees, Hypothesis Testing, Principal Component Analysis (PCA), Factor Analysis, Model Fitting, Cross-Validation)
- **Language**:  Data Structure, C++, C#, Python (Sci-kit Learn, Pandas, SciPy, NumPy)
- **Databases**:  MS-SQL
- **Tools**:  V S/Code, Jupyter Notebook, Tableau, Git

## WORK EXPERIENCE:

**Hitachi**
**Associate Signal and Functional Engineer**                     **April 2019 – Present**
- Increased efficiency for application program designer up to 70 % by performing descriptive analysis of error types by segregating errors into 3 groups depending on the centroid values.
- Drive the interaction and designer between the managers to ensure active cooperation in identifying as well as defining analytical needs and generating the insights for business. Inc. 60% change in business.
- Build predictive models using various machine learning tools to predict the possibility of success of project with 80% accuracy.
- Evaluated of Application Data Design for more than 30 Indian railway stations, across five zones in Train Control Systems as per Railway's technical & signaling standards and responsible for verification of Application data in IFAT, CFAT and SAT for errors and Analysis, with 80% accuracy rate.

**Tool and Tech-Stack:**  Machine Learning, Python (Sci-kit Learn, Pandas, NumPy)**,** MS-SQL, MS-excel, MS-doc.

**Ajeevi Technologies**
**Software Engineer**                     **May 2018 – March 2019**
- Performed individual reports and designed the final and beta dashboards to visualize fleet-related incidents and jobs to meet their requirements. 90% accuracy while performing the ML algorithms.
- Designed and standardized functional enhancements on reporting and analytics utilizing python with ML model and achieved 20% better return in comparison to historical results.
- Develop a user-friendly system for smart fleet management. The module gives measures the bus km, bus performance, store purchases, and stock report. Deployed diverse types of Report using C# and SQL with SSRS Report with 100% scabble.

**Tool and Tech-Stack:**  Python, ML, Python (Sci-kit Learn, Pandas, NumPy)**,** MS-SQL, Visual Studio, Tableau (web)

## Caddsoft India Pvt. Ltd.

**Software Engineer**                                                                        **Sept 2017 – Dec 2017**

- Used ML techniques on python to predict the customer most like food as per restaurants from Republiq app data cleaning by merging multiple datasets treating missing value followed by training the model on a sufficiently large amount of observation.
- Develop a Payment module with Different Payment Gateway Integration with all details required for payment gateway, User invite, and Business module with the data-driven dashboard where Merchant can see their daily report. S2S affiliate marketing In Republiq.
- Actively engaged in the quantitative analysis of sophisticated modelling to address business issues that have improved business by 30%.

**Tool and Tech-Stack:**  ML, Python**,** MS-SQL, Visual Studio, ASP.NET

## Ajeevi Technologies

**Software Engineer**                                                                        **June 2016 – Aug 2017**

- Coded a user-friendly system for Fleet management and different type of stored procedures and implementation of LINQ and provide analysis fleet dashboard and system efficiency inc. by 70%.
- Maintained and test several types of stored procedures for uses dashboard and built API that helps fetching data for apps show 95% accurate GPS data.

**Tool and Tech-Stack:**  Python, MS-SQL, Visual Studio, ASP.NET

### LICENSES AND CERTIFICATIONS

- Certificate in Machine Learning in R by Collabera TACT with 80% marks.
- MTA in Software Fundamentals C# and MTA in Database Fundamentals with 90% marks.

### ACHIEVEMENT

- Selected as Microsoft Student Partner and Microsoft Student Associate among 10k student.
- Selected Best Paper award for "Content based Image retrieval" in 11th National Conference on Next Generation Technologies.