

Rajat Prakash Singh

Data Scientist

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PROFESSIONAL SUMMARY:

5 years of experience in all phases of SDLC including application design, development, 2+ years of experience in data science. Passionate about building models that fix problems. Relevant skills include machine learning, problem solving, programming, and creative thinking, 3 years of work experience as a Software Engineer building and maintaining highly available and scalable backend systems using agile methodology

SKILLS:

- 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:** C, Data Structure, C++, C#, R, Python (Sci-kit Learn, Pandas, SciPy, NumPy)
- **Databases:** MS-SQL
- **Tools** : V S/Code, Jupyter Notebook, Tableau, GIT, Agile

WORK EXPERIENCE:

Hitachi Rail STS

Associate Signal and Functional Engineer

April 2019 – Present

Role and Responsibilities:

- 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.
- Development and testing of Application Data Design for more than 60 Indian railway stations, spread across 5 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.

Ajeevi Technologies

Software Engineer

May 2018 – April 2019

Client : Delhi Transport Cooperation.

Project : Smart Bus Depot Management System

Role and Responsibilities:

- **Developed individual reports and designed the final dashboard and beta dashboards to visualize infrastructure related incidents and jobs to meet their requirements.**
- Performed exploratory data analysis while performing the ML algorithms.
- Designed and developed functional enhancements on Reporting and analytics utilizing python with ML model and achieved 20% better return in compare of historical result.
- Develop a user-friendly system for smart Bus Depot management. The module developed measures the bus km. report, bus performance, store purchase report and stock report. Developed different type of Report using C# and SQL with SSRS Report.

Technology : Python, R, ASP.NET, SQL, ML, ggplot-2, Python (Sci-kit Learn, Pandas, SciPy, NumPy)

Tool : MS-SQL, R- Studio, Visual Studio, Spyder IDE, Tableau (web, Basic)

Caddsoft India Pvt. Ltd.

Software Engineer

Sept 2017 – Dec 2017

Project : Republiq

Roles and Responsibilities:

- 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 both (Form base and API Based), developed User invite and Business module with data driven dashboard where Marchant can see their daily report. S2S affiliate marketing In **Republiq**
- Creating Report using SSRS Report for Business Unit with creating some basic graph using python.

Technology : Python, R,ASP.NET,SQL,ML,ggplot-2, Python(Sci-kit Learn, Pandas, SciPy, NumPy)

Tool : MS-SQL,R- Studio, Visual Studio, Spyder IDE , Tableau(web, Basic)

Ajeevi Technologies

Software Engineer

June 2016 – Sept 2017

Clients : Delhi Transport Cooperation., Antony Road Transport Solutions Pvt.Ltd.

Project : Smart Bus Depot Management System

Roles and Responsibilities:

- Develop a user-friendly system for Bus Depot management and built different type of stored procedures and implementation of LINQ and developed analysis data driven dashboard.
- Created different type of stored procedures for data driven dashboard and developed API that's helps fetching data for apps.

LICENSES AND CERTIFICATIONS

- Certificate in Machine Learning in R by Collabera TACT.
- MTA in Software Fundamentals C# and MTA in Database Fundamentals.

EDUCATION

- **Post Graduate in Data Science and Business Analytics,2021-2022**, Great Lakes Executive Learning
- **Bachelor Of Technology in Computer Sc. And Eng. 2016**, Dr. A.P.J. Abdul Kalam Technical University Uttar Pradesh

ACHIEVEMENT

- **Microsoft Student Partner 2015 and Microsoft Student Associate 2014**
- **Best Paper award for "Content based Image retrieval" in 11th National Conference on Next Generation Technologies**