

Rajat Prakash Singh

Data Scientist

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Location: Noida, India

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PROFESSIONAL SUMMARY:

Data Science, 4+ years of broad-based experiences in building data intensive application, overcoming complex architectural, and scalability issues in diverse industries, Knowledge in data processing, data Mining algorithms and data predictive modeling with 90% accuracy, as well as scripting language, including Python and 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 meets 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 compare of historical result.
- Develop a user-friendly system for smart fleet management. The module gives measures the bus km, bus performance, store purchases and stock report. Deployed different type 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, VStudio, 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 Republic 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 data driven dashboard where Marchant can see their daily report. S2S affiliate marketing In Republic
- Actively engaged in the quantitative analysis of sophisticated modeling to address business issues that's improved business by 30%.

Tool and Tech-Stack: ML, Python, MS-SQL, VStudio, 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 different type of stored procedures for uses dashboard and built API that is helps fetching data for apps show 95% accurate GPS data.

Tool and Tech-Stack: Python, MS-SQL, VStudio, 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
- Best Paper award for "Content based Image retrieval" in 11th National Conference on Next Generation Technologies