

Rajat Prakash Singh

Data Scientist

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Noida, India

EXPERIENCE

Hitachi Rail STS, Noida— *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.
- 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.

Ajeevi Technology, Noida— *Software Engineer*

MAY 2018 - APRIL 2019

- Increased efficacy and revenue of DTC Bus Systems by 90% and Decreased penalization using Data Visualization and Analysis.
- Developed a multi-tier user-friendly system for 3 business modules in DTC and improved data gathering techniques using automation, GPS, and proprietary hardware.

Caddsoft India Pvt. Ltd., Noida— *Software Engineer*

SPET 2017 - DECEMBER 2017

- Created restaurant analysis interface for more than 3000 users of Republiq app by analyzing data from 3 source datasets. Visualized and analyzed user data for improvement in user experience.
- Development of payment module and integration of four payment gateways.

Ajeevi Technology, Noida— *Software Engineer*

JUNE 2016 - SEPT 2017

- Developed data-analysis driven dashboard for Bus Depot Management and automated data gathering from 10000 bus -

SKILLS

- Algorithms
- Data Structure
- Statistical Analysis
- Data Manipulation
- Data Analysis
- Data Visualization
- Machine Learning
- Quantitative Analysis
- Predictive Modeling
- Classification Technique
- Regression Modeling
- Decision Tree
- K-Nearest Neighbors
- Hypothesis Testing
- Principal Component Analysis - PCA
- Factor Analysis
- Model Fitting
- Cross-Validation
- Bagging and Boosting
- Agile Methodology

TOOLS

- VS Code
- Visual Studio
- Jupyter Notebook
- Spyder IDE
- Tableau (Web/Basic)
- GitHub/GitBash
- Sci-Kit Learn
- Pandas
- SciPy
- NumPy
- C / C++ C# ASP.net
- MS SQL

related data points for increasing efficiency by 80%.

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh
— *Bachelor of Technology in Computer Science*

MAY 2012 - MAY 2016

Great Lakes Executive Learning, Gurugram
— *Post Graduate in Data Science and Business Analytics*

MONTH 2021 - MONTH 2022

CERTIFICATION

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

AWARDS

- Microsoft Student Partner 2015
- Best Paper award for “Content-based Image retrieval” in 11th National Conference on Next Generation Technologies