**Rajat Prakash Singh**

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**Career Objective:**

“Today I dare to struggle, tomorrow I dare to win”, I wish to seek to work in environment that will allow me to exhibit my potentials, make utmost use of my skill, and challenge me further, serving my organization in the best way with sheer determination and commitment.”

**Skills:**

* **Analytical :** 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](https://www.datasciencecentral.com/page/search?q=model+fitting), [Cross-Validation](https://www.datasciencecentral.com/page/search?q=cross+validation))
* **Language** : C, Data Structure, C++, C# , R , Python(Sci-kit Learn, Pandas, SciPy,NumPy)
* **Client Side :** HTML , CSS 3, D3.Js
* **Databases** : MS SQL
* **Tools :** V S/Code,Jupyter Notebook , R-Studio, Spyder, Ggplot-2, Tableau,GIT,JIRA

**Industrial Projects:**

**Hitachi Rail STS**

**Associate Signal and Functional Engineer April 2019 – Present**

**Role and Responsibilities:**

* Providing Indoor circuit design & Application Data Logic Design for Indian Railway, Production checking of designs as per technical & signaling standards.
* Responsible for design & verification for Northern, North Western, North East, North Central, South East Central railways Projects, Commissioning Support at Sight 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:**

* Develop a user-friendly system for smart Bus Depot management. **Creating PI-chart, BAR Plot with stock and bus performance report for client.**
* **Designed and developed functional enhancements on Reporting and analytics utilizing python with ML model and achieved 20% better return in compare of historical result.**
* 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

**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:**

* 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 R.

**Technology :** Python, R,ASP.NET,SQL,ML,ggplot-2

**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
* Develop different type of stored procedures and implementation of LINQ and developed analysis data driven dashboard.

**Project : Inventory System**

**Roles and Responsibilities:**

* Develop different type of stored procedures for data driven dashboard and developed API that’s helps fetching data for apps.

**IntelliRise Tech. Solution**

**Trainee(Intern) June 2015 – April 2016**

**Organization : IntelliRise Tech. Solution**

**Projects : Archies Gallery Management, Intelli Learn (Learning web Portal),IntelliRise Tech.**

**Solution Official Website**

**Roles and Responsibilities:**

* Develop complete Data Management system for Gift Gallery, User’s dashboard and All analysis with their useful data. Develop the Inventory For stock and purchase analysis using Python, R, SQL

**Licenses & certifications**

* Certificate in R by Data Camp.
* Certificate in Machine Learning in R by Collabera TACT.
* MTA in Software Fundamentals C# and MTA in Database Fundamentals.
* **Collabera TACT (**R, Machine learning using Python Certification**)**

**Educational Qualifications**

* **Pursuing Post Graduate Program 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

**Honors & awards**

* **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**
* Organized **“Debugging”, “Code Hunt”** challenges and technical events for college festival.