**Rajat Prakash Singh**

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**Phone: +91-8800317147 | Email:** [rajat199292@outlook.com](mailto:rajat199292@outlook.com) **| Location: Noida, India**

**GitHub:** [**rajat199292**](https://github.com/RAJAT199292) **| LinkedIn:** <linkedin.com/in/rajatprakashsingh> **| Kaggle:** [**singhrajat05**](https://www.kaggle.com/singhrajat05)

**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.”

**Experience Summary:**

* Currently working as **Associate Signal and Functional Eng**. With **Hitachi** form April 2019 to Present
* Worked as **Software Engineer** with **Ajeevi Technologies** from May 2018 to April 2019
* Worked as **Software Engineer** with **Caddsoft India Pvt. Ltd.** From Sept 2017 to Dec 2017
* Worked as **Software Engineer** with **Ajeevi Technologies** from June 2016 to Sept 2017
* Worked as Intern with **IntelliRise Tech. Solutions** from June 2015 to April 2016

**Professional Summary:**

* Proven ability to work closely with project principals in defining the project requirements and devising effective development plans for delivering the project on time.
* Coordinated with end users for designing and implementation of analytics solutions as per project proposals.
* Excel in development tools **- Visual Studio, MS SQL, AZURE, R studio and Reporting Tools – SSRS.**
* Developed reporting **using SQL SSRS AND R and management systems using ASP.Net, C#** and JS which have features like dynamic searching, encryption in Web API, automatic generation of daily base reporting through mail reports.
* Quick learner and good performer both in team and independent job environments.

**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 Programing , Python(Sci-kit Learn, Pandas, SciPy,

NumPy)

* **Client Side :** HTML , CSS 3, D3.Js
* **Databases** : MS SQL
* **Tools :** Visual Studio/Code, SVN,Jupyter Notebook , R-Studio, Spyder Ide,

Ggplot-2, Tableau

**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
* Responsible for Verification of DATA LOGIC in IFAT, CFAT and SAT for errors

**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 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.
* **Designed and developed functional enhancements on Reporting and analytics utilizing R.**
* The module developed measures the bus km. report, bus performance, store purchase report and stock report.
* **Creating PI-chart, BAR Plot with stock and bus performance report for client.**
* Develop different type of stored procedures and implementation of LINQ.
* 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)
* Working on INVITE and Business Module
* Creating Report using SSRS Report for Business Unit with creating some basic graph using R.
* Creating S2S affiliate marketing In **Republiq**

**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
* Creating reports using SSRS
* To make the system faster, using LINQ along with stored procedure

**Project : Inventory System**

**Roles and Responsibilities:**

* Develop Web API for Android and iOS application
* Develop different type of stored procedures,
* Using encryption in Web API

**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
* Develop the Inventory For stock.
* Develop purchase receipt using SSRS Reports
* Design and develop complete website
* Design light weight website using HTML, CSS and JS

**Individual Projects**

**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.**

**Training And Internship**

**Organization : Collabera TACT -** 15 Weeks

**Topic**  : R Programming language , Machine learning using R and 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