**Avinash Kumar Singh**

Data Scientist | Machine Learning Engineer | DBA

**[Mobile:** +91 95603 72163; **e-mail:** ipec.avinash@gmail.com]

Oracle (SQL) and Coursera (Machine Learning) certified data scientist with 4.2 years of overall experience.

**Technical Skills**

**Databases:** Oracle, SQL server, MySQL, Mongo DB

**Tools:** MATLAB, Octave, Spyder, R Studio, SQL Developer, VoltDB, H2O.ai

**Analytical Skills/Languages:** SQL, R, Python, Predictive Modelling, Statistical Modelling, Tableau, Java, MS Access, Excel, Word, PowerPoint, Big Data & Hadoop

**Machine Learning Algorithms:** Linear Regression, Logistic Regression, Neural Networks, Machine Learning System Design, Support Vector Machines,

K-Means Clustering, Anomaly Detection System, Recommender Systems

**Certifications**

**Machine Learning by Stanford University on Coursera**

**Oracle Database 11g Administrator Certified Associate**

**Experience**

**Data Scientist | February 2019 – Present | Reliance Industries Limited**

Responsible for exploring the Machine Learning Tools and presenting it to the Management team, also implemented one of the solutions for IPTV.

* Responsible for designing a recommender system for movies using collaborative-filtering.
* POC completed on VoltDB – a distributed, in-memory, ACID compliant RDBMS, that supports Machine Learning algorithms on the data inside the database.
* POC completed on H2O.ai – an open source tool for big data analysis.

**Data Scientist | November 2016 – July 2018 | R Systems International**

Responsible for implementing data mining and statistical machine learning solutions to various business problems.

* Responsible for implementing back propagation algorithm for neural networks and apply it to the task of hand-written digit recognition.
* Responsible for implementing regularized logistic regression model to automate the loan eligibility process for an insurance company.
* Experience in working with Python, R programming.

**Database Administrator| November 2014 – October 2016 | R Systems International**

Responsible for setting up new databases and provide all database-related support for the development as well as test databases for different markets.

* Supported a one-terabyte data warehouse environment.
* Successfully setup a two node cluster RAC along with ASM on Linux.
* Worked actively on features such as AWR, ADDM, and performance statistics.
* Migrated a complete database from SQL server to MySQL.
* Experience in handling SQL server and MySQL database.
* Experience in working with Mongo DB and NoSQL environments.

**Education**

**Bachelor of Technology | Computer Science & Engineering**

Uttar Pradesh Technical University

2010-2014