

Rajnish Singh

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SUMMARY

Industry Experience: 10-month industry experience as a Data Analyst

Programming & Tools: Python & R, SQL- PostgreSQL & MySQL. Proficient in Power BI, Tableau, AWS Sagemaker

Fields I worked in: Recommender System, Tableau & Power BI – Dashboards & KPIs, Fraud Detection, Classification Modelling

Certifications:

- [Deep Learning Specialization](#) in deeplearning.ai
- [Microsoft Technology Associate](#) Database Fundamentals (T-SQL)

EDUCATION

B. Tech in Mechanical Engineering – IIT Kanpur

May '13- Jun '18

- Coursework: Knot Theory, Engineering Graphics, IC Engines, Game Theory

D.A.V Public School | CBSE

- Scored 89.2% in class XII in 2013
- Scored 9.8 CGPA in class X in 2011

EXPERIENCE

IPEDS Tableau Migration for Consulting Firm

Data Analyst

Nov.2019-Feb.2019

- **Client Description & Business Requirement:** Client is a global management consulting firm with 127 offices around the world. It is currently the top consulting firm in the world. The requirement was to migrate IPEDS data workflow from Excel to Tableau portal. Flow consisted of complex business logics and geolocations, with adapting to change in weights assigned by user in form in Microsoft Access.
- **Environment & Tools:** Tableau Desktop, Tableau Server, Microsoft Access, Microsoft Excel
- **Project Responsibilities:**
 - ❖ Accommodated for changes in values and display in dashboards & sheets on version change in data source access file, with version control.
 - ❖ Maintained dashboard layouts and sheets according to client's specifications. Managed Level of Detail (LOD) calculations, Calculated Fields according to graphs.
 - ❖ Tools used in Tableau: Geolocation maps, Hierarchies, Dropdowns, Linked Filters, column-wise Heatmaps, KPIs and Action Items based file-export functionality.

Recommender System for Hotel Service Reseller

Data Analyst

May.2019-Oct.2019

- **Client Description & Business Requirement:** The Australian hotel services reseller is focused on providing better deals for users taking reservations in contacted hotels. They are looking for improving deal conversion rate against impressions generated on email and mobile application.
- **Business Solution:** Hybrid recommender system was developed to generate recommendations based on historic user deals, and independent clusters of users and products. A Genetic algorithm runs over Recommender System to optimize selection of scored products.
- **Project Responsibilities:**
 - ❖ Developed MySQL & Python scripts for Data Preprocessing, feature creation/selection/identification with version control. Ensured consistent data update from DB server to Sagemaker and vice-versa.
 - ❖ Tools Used: AWS Sagemaker, MySQL
 - ❖ Techniques Used: Genetic Algorithm, LightFM, Feature Scaling, Recursive Feature Elimination, Precision at K
 - ❖ Collaborated with Project Manager and client, to ensure smooth UNIX Crontab automation, and deployment process.

COMPETITIONS

Home Credit Default Risk

Kaggle

Performed EDA, Data Preprocessing and Feature Engineering to remove undesired, highly correlated data and missing values. Evaluated probabilities of repaying loan for target people. Implemented stacking via LightGBM to get AUCROC of 0.76932.

McKinsey Analytics Competition

Analytics Vidhya

Participated individually and secured top 10% out of more than 5000 teams on private leaderboard. Performed Data Preprocessing and Data Over-sampling & Under-sampling. Increased potential revenue by reducing agent charges & increasing subscriptions.

Digit Analyzer

Kaggle

Applied Neural Network and SVM with accuracy of 97.58% on MNIST database to detect handwritten digits. Handled missing/outlier data by attributing mean values. Applied PCA with rotation to reduce compile time and eliminating features.

COLLEGE PROJECTS & EXTRA CURRICULARS

BAJA IITK MOTORSPORTS

Chassis Team, IIT Kanpur

15 Months

Designed and manufactured an all-terrain Buggy vehicle in team of 33. Achieved TechReady Award in BAJA Student India '16. Using ANSYS and SOLIDWORKS, we reduced chassis weight by 14.17% and increased torsional strength by 12.2%.

FINE ARTS CELL

Coordinator

18 Months

Participated in paper-costume event. Managed event scheduling and timings, and task allocation to secretaries. Manages various events like Speed Arts, Freshers' Art Competitions, etc.

HOBBIES

- Table Tennis
- Badminton

DECLARATION

Date:

I declare that every information mentioned above is true, to best of my knowledge.

Sign.: