SAURABH AGARWAL

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8 years of experience in the Telecom Industry including 2 years of experience in Data Science & Machine Learning.

OBJECTIVE:
Intend to build a career with a leading corporate in S/W Industry using Data Science & Machine Learning concepts with commitment & dedication to explore and excel in my skills to work as a key player in a challenging & creative environment.

CAREER CONTOUR:
- Currently working with Reliance JIO Infocomm Ltd., Delhi from Jul 2017 as Asst. Manager.
- From May 2016 to June 2017 was working with Verveba Telecom Pvt. Ltd., Pune as RF Optimization Engineer.
- From July 2013 to May 2016 was working with Aerial Telecom Solution Pvt. Ltd., Mohali as RF Engineer.

CERTIFICATION:
- Machine Learning A-Z™: Hands-On Python in Data Science, 2020.
- Machine Learning by Stanford University, 2020.
- What is Data Science by IBM, 2020?
- Programming for Everybody (Getting Started with Python), 2020.

PROJECT:
- Bike price prediction using multiple features.
- Insurance purchase prediction using age.
- Identify handwritten digits.
- Identify the salary of a candidate using company name, job category & degree of education
- Identify flower name using length & width of sepal & petal using Iris flower data.
- Used K-Fold Cross Validation to decide which model is best for given data.
- Predict income from age by visualizing data into clusters.
- Decide Coronavirus Tweets are positive (good) or negative (bad).

EMPLOYER/ORGANIZATION:

- **PRESENT EMPLOYER :**

  Company   : Reliance JIO Infocomm Ltd.
  Date of employment : July 05, 2017 to till date
  Designation   : Assistant Manager
  Location   : Delhi (NCR)

Responsibilities (Sept 26, 2020, to Till Date):
- Used various Python libraries such as NumPy, SciPy, Pandas, Matplotlib, Scikit-Learn, NLTK, etc.
- Used various algorithms such as Linear Regression Single Variable, Linear Regression Multiple Variables, Logistic Regression (Binary Classification), Logistic Regression (Multiclass Classification), Decision Tree Classifier, Support Vector Machine (SVM), Random Forest Classifier, K Fold Cross Validation, K Means Clustering, Naive Bayes Classifier, K nearest neighbors classification
- Manage data collection, data quality, and data blending.
- Proficiency in analyzing data.
- Proficiency in building, maintaining, and validating Excel reports and models.

Responsibilities (July 05, 2017, to Sept 25, 2020):
- Working on LTE and Volte KPI's for Delhi Circle (NCR).
- Responsible for all the KPIs like Accessibility, Retainability, Integrity and Mobility for circle.
- Daily network performance monitoring and optimization of worst eCells/eNodeB.
- Understand the function of MME, Gateway and all nodes of IMS.

- Performing parameter optimization provides a good result for the JIO network.
- Involved in different parameter trials QCI based and timer optimization for RAN.
- Analysis for areas having poor RSRP, poor SINR, RLF etc. and accordingly suggesting physical Optimization.
- Responsible for parameters audit check & recommendations for LTE parameters.
- Responsible to share knowledge & Information with Circle Team and make co-ordination with them to get a real-time solution.

➲ PREVIOUS EMPLOYER 1 :

Company	: Verveba Telecom Pvt. Ltd., Pune.
Client	: AT&T, USA
Date of Employment	: May 23, 2016 to July 01, 2017
Designation	: RF Optimization Engineer
Location	: Pune

Responsibilities:
- Designing and testing as well as site selection for AT&T, Nokia/Ericsson wireless telecommunications systems.
- Analyze data and provide inputs for network improvements and better user experience.
- Processed the data collected on the field using Actix and optimized the RF signal.
- Performed the tasks of coordinating with the project team in the implementation of RF.
- Performed RF Drive Testing using Sirius XM Controller and Tapas Auto Master to check the AT&T (Band-30) and Sirius XM signals.
- Performed SSDs on the pre-launch LTE sites, by verifying PCI's, RSRP, SINR.

➲ PREVIOUS EMPLOYER 2 :

Company	: Aerial Telecom Solution Pvt. Ltd.
Client	: Samsung India Electronics Pvt. Ltd./ Reliance JIO
Date of employment	: July 12, 2013 to May 20, 2016
Designation	: RF Optimization Engineer
Location	: Mumbai

Responsibilities:
- PCI & Neighbor planning for LTE networks.
- Analysis of cluster drives and providing solutions for drop cases, LTE integrity, LTE retainability, throughput issues.
- Performing LTE pre-launch and post-launch network optimization threw drive analysis, neighbor relation, tilt and parameter Optimization.
- LTE network launch and cluster optimization, planning of RF parameter, making field level changes, troubleshooting with handover problem, tuning parameters.
- Analysis of the drive test result and finding the Network Problems with the Post process tools XCAP-M.
- Analyzing various parameters like RSRP, RSRQ, SINR, RSSI, CQI, BLER & Downlink/Uplink Throughput etc.
- Coordination with circle team, sol-par team and field engineers.

S/W TOOLS USED:

➲ **Data Science**	: Classical machine learning models, Computer Vision, NLP
➲ **Deep Learning Framework**	: TensorFlow, PyTorch
➲ **Big Data Tools**	: Hive, Hadoop, Spark
➲ **Analytics Tools**	: Python, Tableau, SQL, C, MATLAB
➲ **Operating Systems**	: UNIX/LINUX-IPC, WINDOWS
➲ **Other Tools**	: MS Word, MS Excel, MS Power Point

TELECOM TOOLS USED:

➲ **Planning & Optimization Tool**	:LSMR (SAMSUNG), NetAct, NIMS-PrOptima (MyCom), JIO Coverage Platform
➲ **Field Test Tools**	:TEMS (13.1.06), Nemo Outdoor 5.40
➲ **Commissioning Tools**	:PNMT, LMT, OMT 35/37
➲ **Post Processing Tools**	:XCAP-M, ACTIX, GENEX Probe, Map Info 8.5, Google Earth, FMS
➲ **EMF Testing Tools**	:NARDA NBM 550, NARDA SRM 3006

ACADEMIA:

2020-22	<mark>Pursuing Master of Technology in Data Science & Engineering from BITS-Pilani.</mark>
2013	Bachelor of Technology in Electronics and Communication Engineering from Hindustan Institute of Technology &Management, Agra (U.P.) & secured first division with a valid GATE- 2013 scorecard.
2007	12th from M.A. Inter College, Agra (U.P.) & secured second division.
2005	10th from M.A. Inter College, Agra (U.P.) & secured first division.

PERSONAL DOSSIER:

Father's Name	:	Mr. J.K. Agarwal
Date of Birth	:	08-July-1990
Address	:	69-Ganga Gori Bag, Balkeshwar, Agra (U.P), PIN-282004
Marital Status	:	Married
Language Fluency	:	English and Hindi
Hobbies	:	Swimming
Current Place	:	Delhi (NCR)

Declaration : I hereby declare that the information given above is true to the best of my knowledge & belief.

Saurabh Agarwal