



Ravi Kumar Verma

Data Scientist

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An enthusiast data scientist passionate about data and its potential to drive insights and create value. I am constantly seeking to learn more about new techniques, tools, and applications of data science. I enjoy working with data, whether it's cleaning and processing it, analyzing it, or visualizing it in creative ways. I am always look for new and interesting problems to solve with data, and am excited by the prospect of making a meaningful impact through their work

Experience

Data Scientist at Ericsson, NOIDA

Dec 2021-Preset

- Developed a language translation project using machine learning algorithms.
- Classified different topics and visualized the results on Tableau for further analysis.
- Completed proof-of-concept (POC) projects to demonstrate feasibility of proposed solutions.
- Conducted data analysis, feature engineering, and model selection to improve accuracy of machine learning models.
- Developed and maintained data pipelines for data cleaning, preprocessing, and model training.
- Collaborated with cross-functional teams to integrate machine learning models into production systems.
- Documented project findings and presented results to stakeholder

Data Scientist at ATCS, Jaipur (Rajasthan)

Jul 2018 -Nov 2021

- Created and implementing data models for luxurious automobiles
- Worked closely with business partners and stakeholders to determine how to design analysis and measurement approaches to improve their ability to understand and address emerging business issues
- Implemented various machine learning algorithms to solve real-world problems, including supervised and unsupervised learning models
- Nlp-based text extractions were used to identify Sentiments and identify most frequent word
- coached and mentored juniors.

Junior Telecom Officer at BSNL, Jamnagar

Jul 2010 - May 2016

- Maintenance of 2.5K line Telephone Exchange including Power plant and OFC equipment
- Maintenance of Mobile BTS tower to provide uninterrupted customer satisfactory Service
- Management, Coordination and handling staff of more than 30 person
- Setting operational standards for all staff to follow and maintain effective business relationship with customers.
- Inventory management and Maintaining optimal stock levels to ensure timely availability of products and coordinating the shipment of goods from the warehouse.
- Managing excess, tracking, scanning and aging stock using SAP inventory management system.

Skills

| | | | |
|-------------------------|-----------------------------|-----------------|-----------------------------|
| Programming | Python, Pyspark, R | DevOps | AWS, Docker, Kebernetes |
| Packages | Numpy, Pandas, scikit-Learn | Database | MySQL, PostgreysQL, MongoDB |
| Streaming | Kafka, IOT, Spark streaming | IDE | Jupyter, Spyder, PyCharm |
| Machine learning | Classification, Regression | Language | Hindi, English |

Education

Department of Physics, IIT Roorkee
M.Tech in Solid State electronics Materials

Roorkee, Uttarakhand
2016-2018

- Developed a lithography free inverted pyramid arrays with controlled aspect ratio on mono crystalline/ poly crystalline silicon wafers and its method of synthesis

UIET, CSJM University Kanpur
B.Tech in Electronics and Communication

Kanpur, Uttar Pradesh,
2005-2009

- Developed a code in Matlab which detected the region of malignant cancer of MRI images.

Certification

July 2021 **Dataiku :- Core Designing Certificate**

April 2021 **Dataiku:- ML Practitioner Certificate**

March 2022 **Ericsson, BMAS - Machine Learning - Experienced level Assessment**

Projects

Service Reminder Module for VECV

June 2020

DATA DRIVEN AND LOADED WITH MACHINE ALGORITHM SOLUTION PROVIDED TO REDUCE THE MANUAL TASK PERFORMED BY AUTOMOTIVE COMPANY FOR SCHEDULE SERVICE OF VEHICLE

- Statistical model was built to predict the scheduled service of vehicle after analyzing the past historical services taken by vehicle
- Service planning solution allowed business to have detailed customer profile analysis for better customer engagement
- Eliminated the draw back which were arises due to manual work e.g. finding outlier
- Automated process of Calling list generation along with different service categories and customer preferences allowed to plan the service offerings (cross sell, workshop planning, appointment reminders etc.) in much effective way resulting in revenue growth
- Increased CRE Productivity and higher uptime
- Success of this project led to rollout in other market too
- Techs : Python, Postgres, Docker, Kubernetes,

Repair Package Generation for Daimler

Nov 2018

DEVELOPED A RECOMMENDATION SYSTEM FOR IMPROVE THE QUALITY OF VEHICLE REPAIR AND CALIM BY WORKSHOP DEALERS

- Repair package generation is recommendation engine to unify all the operation and parts upon analyzing the historical claim data and with machine learning model to bring the consistency in repair quality and price uniformity across all the dealers
- Eliminated the incident of false claim by dealer
- Better management and reduces the time of claim clearance.
- The solution was rolled into several other market after proving successful in with one market
- Techs : Python, Hadoop, Postgres, Hive

Kafka Structured Streaming

Jan 2021

WORKED ON A USE CASE TO FIND OUT THE STOPPAGE POINT OF VEHICLE USING THEIR SENSOR DATA

- Real time telematics data of vehicle were received through Kafka and performed analytic on real time data to find out the stoppage point of commercial vehicle using Pyspark
- Tech :- Pyspark, Kafka, EC2

IoT sensor Device

DEVELOPED A REAL TIME DASHBOARD FOR IOT DEVICES

Aug 2020

- Received real time IoT sensor data through Rest API and store in Azure Cloud table storage
- Developed a Dashboard using Power BI which shows it real time parameter like Temperature, humidity and light
- Eliminated the manual monitoring of environment parameter
- Tech :- Python, Rest API, Azure Table Storage

Topic Classification

DEVELOP MODEL TO CLASSIFY TOPIC USING DEEP LEARNING ALGORITHM AND VISUALIZE IT IT USING TABLAEU

Apr 2022

- Development of this result in faster identification of customer issues , Personalized response, Proactive issue resolution, Improved product development.
- Result were visualize on dashboard to get better insight
- Techs : Python, Jupyter, Tablaeu

Traffic Balancing

DEVELOPED AND DEPLOYED MODEL TO HANDLE THE TRAFFIC BY TELECOM EQUIPMENT

Aug 2022

- Traffic balance model results better network performance, Improved used experience, Efficient resource utilization, better network security and enhance network availability
- Deployed the model in north east and northern telecom circle.
- Techs : Python, Jupyter, Argo

Additional Information

Patent

Applied for patent "A LITHOGRAPHY FREE INVERTED PYRAMID ARRAYS WITH CONTROLLED ASPECT RATIO ON MONO-CRYSTALLINE/ POLY-CRYSTALLINE SILICON WAFERS AND ITS METHOD OF SYNTHESIS"