**Bikram Sahoo| Machine Learning Engineer | Data Science Practitioner**

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# SUMMARY

Machine learning engineer with a strong math background and experience in data science, machine learning and python. Passionate about explaining data science to non-technical business audiences. Frequent speaker at colleges.

# EDUCATION

**Silicon Institute of Technology, Bhubaneswar, Orissa**

Bachelor of Technology in Electrical and Electronics ***June 2016 - May 2019***

# Indira Gandhi Institute of Technology, Sarang, Orissa

# Diploma in Electrical Engineering *June 2013 - May 2016*

# TECHNICAL SKILLS

**Machine Learning***:* ​Classification, Regression, Clustering, Feature Engineering, Natural language processing (NLP)

**Statistical Methods***:* Normal distribution, Hypothesis testing, Principal component analysis

**Data Visualization Tool:** Microsoft Power BI

**Software and Programming Languages***:* ​Python (Scikit-learn, NumPy, SciPy, pandas, Seaborn) and SQL

**Online Coursework***:* Data science and Deep learning boot camp by Perian (Head of Data Science, Pierian Data Inc), MySQL boot camp, Linear Algebra, Probability

# WORK EXPERIENCE

**Cognizant Oct 2019 – Current:**

* Working with teams to encourage statistical best practices with respect to experimental data analysis.
* Participating in Data preprocessing Techniques in order to make data useful for creating Machine Learning, Deep Learning Models.
* Building various regression and classification algorithms by using various Sklearn libraries such as Linear Regression, Logistic Regression, Decision Trees, XGboost and Naïve Baye’s.
* Building Regression and classification algorithms by using TensorFlow libraries such as ANN, CNN.
* Developing a model for predicting the date that server will reached out to its threshold value for john Deere internal server based on previous server size including with date.
* Working with a freelancer Team to Prepare a Dashboard by using Microsoft Power BI to visualize insight of a private hospital dataset and answering the business questions.
* Working with a freelancer Team to Detect the Anomaly on IP Address by using PCA and Isolation Forest.
* Working with a freelancer Team to Predict the Broadband Outage Type for a private Broadband owner based on Broadband outage duration, Broadband outage area and Outage Report type classified by technical engineer team.

# SELF PACED PROJECTS

**Credit Card Fraud Detection:**

**Anonymized credit card transaction labeled as fraudulent or genuine:**

It is important that credit card companies are able to recognize fraudulent credit card transactions so that

Customers are not charged for items that they did not purchase.

* Collecting the dataset from Kaggle and Participating in Data preprocessing Techniques in order to make data useful for creating Machine Learning model.
* Visualizing the insights of imbalanced dataset by doing EDA.
* Applying Isolation Forest to find out the fraudulent transaction on imbalanced dataset and isolate from original dataset