Amaresh Kumar Sahoo
Data Scientist

Data science professional with 3+ years of experience executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing. Experienced at creating data regression models, using predictive data modelling, and analysing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems.

8 years of total experience in Software Development & System Testing in all project phases using waterfall and Agile methodologies.

5 years of working experience as a Mainframe Developer.

Experience

Sep'18 - Present

Data Scientist
Danske IT
• Fulfilled all data science duties for Danske Bank.
• Created number of classification and regression Machine Learning Models as per business requirement.

May'17 - Aug'18

Mainframe Developer
Danske IT
• Involved as a team member for HR Solution IT, which is a Danske Bank and IT application used by HR team to keep track of employees and customers across geography.

May'15 - May'17

Mainframe Developer
AXA Technology Shared Services
•Worked as a Team member for NESD (North Europe Service Delivery) project which is an AXA Belgium insurance application used by AXA to keep track of its customers .

Dec'12 - Apr'15

Mainframe Developer
IBM India Pvt Ltd
•Worked as a team member for EMEA CARS (Europe Middle East and Africa Common Accounts Receivable System) project, which is an IBM internal application used by IBM to keep track of customers (billings and payments).

Academics

Jun'08 – Jul'12   **B.Tech in Electronics and Tele Communication**
Biju Patnaik University Rourkela, Odisha

Apr'06 – Apr'08   **12th Standard**
Maharishi College of Natural Law under CHSE board.

Certifications and Awards

Dec'14   Certification in IBM DB2 10.1 Fundamentals with 97%.

Sep'13   Certification in IBM Certified Database Associate with 96.88%.

Personal Information

Email Id :
Amaresh.ku.sahoo@gmail.com

Phone
+91 8884312280

Linked In:
https://www.linkedin.com/in/amaresh-kumar-sahoo/

Technical Skills

Python, Numpy, Pandas, statsmodels, pmdarima
Expert ● ● ● ● ●
SQL, NO SQL
Advanced ● ● ● ● ○
RDBMS,MONGODB
Advanced ● ● ● ● ○
Data Visualization, Matplotlib, Seaborn, Plotly
Expert ● ● ● ● ●
Machine Learning Modeling
Expert ● ● ● ● ●
Statistics, EDA
Expert ● ● ● ● ●
Web Framework Flask
Expert ● ● ● ● ●
Deep Learning, CNN,Transfer Learning, Tensorflow, Keras
Intermediate ● ● ● ○ ○
Natural Language Processing, nltk, spacy, Sentiment Analysis
Intermediate ● ● ● ○ ○
Model Deployment, in AZURE and AWS EC2 instance
Intermediate ● ● ● ○ ○

Amaresh Kumar Sahoo
Data Scientist

Projects Annexure

Nov'20 to March'21

Project : Investment upsell
Client: Danske Bank, Denmark

Project Description:
•Goal was to develop a predictive model based on Danske Bank patron's detail transactions to predict potential buyers for investment upsell strategy.
•Main aim of this model is to find out list of potential buyers so that financial advisory team can approach them explain more on product details.

Contribution: Accountable for the project delivery. I worked in defining clear business problem and with understanding the variables. Involved in EDA and modelling. Data were analyzed by describing the features present in the data. Tried with many algorithms like logistic regression, Decision Tree, Random forest, XGBOOST etc., Got good score in Random Forest. Used RandomizedSearchCV to find best parameter of Random forest.

Sep'19 to Jan'20

Project : AML Risk Assessment
Client: Danske Bank, Denmark

Project Description:
•Goal was to develop a risk predictive model based on statistical and historical customer details to calculate a predictive score which assess the risks associated with each customer regarding Anti-Money Laundering (AML)
•Main aim of this model is to find out risky customers so that risk assessment team can review those customers transactions in more detail

Contribution: Accountable for the project delivery. I worked in defining clear business problem and with understanding the variables. Involved in EDA and modelling ML – algorithm XGBOOST. Data were analyzed by describing the features present in the data. The machine learning model has been fitted and predicted with good accuracy score.

Jan'19 to May'19

Project : Churn Prediction
Client: Danske Bank, Denmark

Project Description:
•Aim is to predict the customers that will possibly churn so they can be put in some sort of scheme to prevent churn
•Finding out the factors that are leading to churn based on the customer's last 6 month transactions and feedback reports.

Contribution: I worked in Machine Learning modelling and evaluation from exploratory data analysis (EDA) , feature engineering, model building and evaluation.
Compared accuracy with Decision trees, Random forests and Ensemble models using bagging and boosting. Picked the best model with respect to accuracy score with test data.
Used Grid search for parameter tuning of each model.

Soft Skills

Problem Solving, Critical Thinking
Expert ●●●●●

Creative and Interpersonal Skills
Expert ●●●●●

Interests

Swimming, Playing and watching Cricket

Travelling and exploring new places

Languages

Business English
Expert ●●●●●

Odia
Expert ●●●●●

Hindi
Expert ●●●●●

Other details

Marital Status:
Married.

Address**:**
Flat No – C302,
DSR white waters Phase 2,
Carmelaram Road, Gunjur Pallya
Bengaluru – 560087