

# Nirmala Auti

## Data Scientist

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3.1 years



### Objective

To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills.



### Experience

Data Scientist| IBM| 3.1yrs.

Dec 2018– Till now



### Skills

- Python, MySql
- Pandas, Numpy, Regex
- Linear & Logistic Regression, Naive Bayes, K-NN, K-Means, Decision Tree, Random Forest, Boosting Algos, NLP
- Flask Web framework
- AWS
- Windows, Conda, VS Code
- ML lib & NLP
- Postman



### Competencies

- Experience using ML libraries, such as scikit learn, Seaborn, Matplotlib, Pandas, numpy, RegEx etc.
- Experience diving into data to discover hidden patterns
- Take ownership of the data science model end-to-end from data collection to model building to monitoring the model in production.
- Experience working as part of a product team, along with engineers and product managers, to define the problem and execute the data science solution.



## Projects

- **Project 1** : Loan Management System
- **Domain** : Finance

### **Description:**

- Extracting the meaningful patterns from a variety of data sources and types to describe and predict key outcomes. Approach that High-quality analytics, grounded in clean, secure data, enables compelling, actionable data stories, scorecards, and dashboards into a financial domain to cater the need of a secure Loan Management System.

### **Responsibilities:**

- Designed and conducted examinations to measure the learning outcome of participants
- Identify Solve interesting problems involving rich datasets in various domains. Accordingly, create capstone projects on the evolving use cases in the industry
- Identified key emerging trends in the industry and maintain a rich reference material
- Identified key reporting metric sand create dashboards to enable quick decision making

- **Project 2** : Automated Document Classification (NLP)
- **Domain** : Finance

### **Description:**

- A platform is able to recognize and categorize all types of incoming documents by content type, and automate the extraction of relevant index data per document type. The process of extracting all relevant index data allows Extract to more intelligently, and consistently, route documents to desired levels within a database,.

### **Responsibilities:**

- Mine and analyze data from company databases to drive optimization and improvement of product development, marketing techniques and business strategies.
- Search for ways to get new data sources and assess their accuracy
- Assess the effectiveness of new data sources and data gathering techniques.
- Use predictive modeling to increase and optimize customer experiences, revenue generation, ad targeting and other business outcomes.
- Coordinate with different functional teams to implement models and monitor outcomes.
- Develop processes and tools to monitor and analyze model performance and data accuracy.

- **Project 3** : Automated Document Classification (NLP)
- **Domain** : Finance

**Description:**

- The capacity to rapidly classify the documents carries proficiency to the organization and opens up staff to work more significant level undertakings. They had given an issue to automate document classification and retrieval of the textual information simultaneously.

**Responsibilities:**

- Collaborated with data engineers and operation team to perform data extraction to fit the analytical requirements.
- Work with NLTK library to NLP data processing and finding the patterns.
- Perform analysis to assess the quality of the data, determine the meaning of the data , and provide data facts and insights.
- To develop a various machine learning algorithms and statistical modeling for analysis purpose.
- Develop program to extract the data needed, prepare data for further analysis.