# Soumya Gupta

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**Online-Profile**: https://guptasoumya26.github.io/OnlineProfile/

**Github**: https://github.com/guptasoumya26?tab=repositories

## PROFILE SNAPSHOT

Analyst with 6+ years of working experience in the field of Business Analysis, Data Science and Machine Learning (2.5 years)
Proven ability in Banking and Healthcare domain.

- **Developed Stock Price Sentiment Analyzer using** Natural Language Processing **(NLP and Vader) and thereby reducing the manual efforts of customer opinion monitoring by 35%** along with assisting in Business decision making.
- **Created Machine Learning Pipeline towards Credit Card Approval** for large customer base of RBS using Machine Learning Algorithms such as KNN and Logistic Regression. .
- Incorporated **Social Media Bots** using Python thereby increasing the operational efficiency by 25% and facilitating business boosting on Autopilot..
- Experience in Text classification, topic modeling, image classification and information extraction.
- Experience in **Machine learning/Deep learning algorithms like Neural Networks, Naïve Bayes, Logistic regression, Decision Trees, Support Vector Machines etc.**
- Hands on experience in developing ML models in various fields like NLP, prediction and classification.
- Data analytics and Data visualization using Python, matplotlib and SQL for reports and alerts.

## SKILLS

- **Python**
- **Machine Learning**
- **Deep Learning**
- **Keras, Tensorflow**
- **NLP**

- **Pandas, Numpy, Scikit Learn**
- **Java**
- **SQL, Git**
- **Statistics**
- **Linux(Basics)**

## WORK HISTORY

### ANALYST                                                          *01/2018 to CURRENT*
**Royal Bank Of Scotland | Gurgaon**

**Project: Stock Price Sentiment Analysis**.
- Created Machine Learning Pipeline via RBS Stock portal using Web-scraping through beautiful soup along with Rest API.
- Implemented Sentiment Analysis model for daily, weekly and monthly view for various stocks using NLP.
- Utilized Vader for Sentiment Analysis and opinion monitoring thereby assisting the stakeholders in business decisions as per the market curve.

**Project: Credit Card Approval**.

- Handled large data set with python pipeline.
- Performed data extraction, EDA, cleaning and pre-processing using SQL, Pandas and MS - Excel.
- Implemented Machine learning model and optimized the performance via Grid Search hyper-parameter tuning.

## SOFTWARE ENGINEER
*06/2015 to 12/2017*

**United Health Group | Gurgaon**

**Project: Social Media Analytics and Autobots**

- Implemented social media bots for United Health Group product pages on various social media websites such as Facebook and Instagram.
- Utilized Selenium and Python for fetching the followers, likes and other analytical data for effective customer opinion monitoring about the new products thereby reducing the manual efforts of product marketing team by 20%.
- Generated automation reports for Stakeholders and product marketing team for product improvements via continuous customer feedback via building one-click Python utilities.

## ASSOCIATE BUSINESS ANALYST
*02/2013 to 05/2015*

**Xerox | Noida**

**Project:** Benefits Web provides retirement solutions to employees and involves all banking activities like withdrawal, savings, financial management, loan etc.

- Analyzed the business requirement and prepared query logs for bridging the requirements gaps.
- Updated the Traceability Matrix and Interacted with onshore stakeholders.
- Implemented SQL procedures for backend validation.

## AWARDS

- **Living our values award** in RBS for scaling and optimizing data queues thereby reducing the manual efforts by 25%.
- **Sapphire Award** in United Health Group for creating XML Parsing utilities with the help of JavaFX library..
- **Feather in the Cap Award** in Xerox for reduction of operational timelines via MQ utilities automation through Robot class in Java

## EDUCATION

**Bachelor Of Technology** | Computer Science
*2012*

Dr. K.N. Modi Institute Of Engineering And Technology, UPTU

**Intermediate**
*2007*

Central School, Lucknow

**HighSchool**
*2005*

Central School, Lucknow