# xxxxx xxxxxx

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# PROFESSIONAL SUMMARY

6+ years of professional experience in advanced analytics, machine learning, natural language processing, text analytics and web scraping techniques.

# TECHNICAL SKILLS

ML Algorithms : Logistic regression, Naïve Bayes, SVM, Random Forest Classification, Apriori, Holt-Winters & ARIMA, Linear Regression

Programming Languages : Python, Core Java DBMS (Beginner) : MongoDB, SQL

# WORK EXPERIENCE

* Senior Analyst,xxxxx, xxxx – From Jan ‘xx
* Associate, GTO - R&D, xxxxxxxxxxxxx, xxxxx - Feb ‘xxto Jan ‘xx
* Systems Engineer, xxxxx Ltd., xxx – Aug ‘xx to Aug ‘xx

# PROJECTS SUMMARY

**Pricing Analytics:**

**Client:** A leading insurance company in the US

# Roles and Responsibilities:

* Extracted and collated data from various tables
* Understood the problem statement and arrived at different features that can be calculated from the available data
* Calculated the probability of renewal at a quoted premium for group disability insurance
* Built a classifier using random forest to predict the probability of an insurance policy getting renewed when a particular price is quoted
* Worked on productionalizing the model developed.

**Technology:** Python

# Text Analytics:

**Client:** An analytics company in Europe

# Roles and Responsibilities:

* Developed customized scripts for scraping individual websites as well as generic scripts for scraping multiple websites using Selenium/ Scrapy
* Checked the integrity of the data before handover to the client
* Cleaned the data and formatted them according to client specifications
* Built a classifier using random forest to detect whether a given website is an e-shop or not after extracting the necessary features from the website
* Built an SVM classifier to classify whether a given RSS feed is a possible business lead or not

**Technology:** Python and MongoDB

# Social Media Analytics:

**Client:** A home & securities products company in the US

# Roles and Responsibilities:

* Scraped custom websites using Selenium in python and extracted social media data from Radian6/ Sysomos
* Developed a keyword based module for removing spam from social media data
* Developed a Naïve Bayes sentiment classifier
* Identified the trends by generating bigrams from the data and finding the most frequently occurring bigrams in the dataset
* Identified influencers on houzz.com by giving weightage to various features like user reviews, awards received, no of likes received, etc.

**Technology:** Python

# HR Analytics:

**Client:** Internal HR team

# Roles and Responsibilities:

* + Cleaned the data received from the client and arrived at new features required for modelling
  + Developed a classification model using logistic regression to predict the selection or rejection status of a candidate appearing for an interview to reduce the manual intervention required in shortlisting the profiles
  + Improved the accuracy of the model by concentrating on feature selection
  + Did association rule mining using apriori algorithm to find out skills that occur together frequently for identifying skill families and mapped the generated item-sets to the demand dataset
  + Generated rules for cross-skilling and upskilling of employees based on the skill families developed
  + Migrated the code developed to python
  + Did time series forecast on demand dataset to predict the future demand that would arise for various skillsets

**Technology:** Python and Java

**Generation of store-wise volumetric reports: Client:** A leading retail company in the UK **Roles and Responsibilities:**

* Developed code to fetch data from the client databases for various stores of the client for orders placed under each category through various sources like orders through website, phone calls and for those received at the physical store and generating a report on the data
* Scheduled a nightly batch to generate the reports and send the reports to the respective stores
* Discussed with the stakeholders about the requirement and designed the solution appropriately

**Technology:** Java and SQL

# EDUCATIONAL QUALIFICATIONS:

**Master of Technology** in xxxx xxxxxx **Aug ‘xx to May ‘xx** xxx University, xxx, xxx, India CGPA: xxx **Bachelor of Technology** in xxxxxx **Jun ‘0xto May ‘0x** xxxx University, xxxxx, xxxx, India **CGPA: xxx**