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Gour Bera

Software Engineer

- **Udacity certified Data Science professional** with a passion for learning new emerging technologies and contribute to solving business problems
- Portfolio projects include solving problems using various supervised and Unsupervised (clustering algorithms) algorithms
- Hands-on experience of **Python**, **SQL**, **Numpy**, **Pandas**, **scikit-learn**, **matplotlib**, VB scripting and various automation tools like Selenium/UFT
- Hands-on experience in Natural language processing (NLP) and various advanced machine learning tools and techniques including PCA, Ensemble Methods (Bagging, boosting), Gaussian Mixture Models, Grid search algorithm, K-Fold cross-validation.etc.

TECHNICAL SKILLS

	Primary	Secondary
Technical	**Python**, **SQL**, **Numpy**, **Pandas**, **matplotlib, scikit-learn, API**(Facebook & Twitter), **JSON, GIT, SQLite3**	**AWS**, **VB Scripting**, Core Java, HTML, XML, SQLAlchemy, SciPy
Tools	**Jupyter**, Selenium, QTP, Quality Center, Redmine	**Tableau**
ML Techniques	Linear and Logistic Regression, Decision Tree/Random Forest, K-Means Clustering, K- Nearest Neighbors, SVM, XGBoost, NLP	Neural Networks

PROFESSIONAL EXPERIENCE

Software Engineer, Mphasis/Bengaluru, Jun-2015 to Aug-2018

Project Name: **DXC ProductXpress**(DXC Insurance Product COE)
Role: Automation Engineer

Responsibilities
Requirement analysis | Script development using Vb and Python Scripting | Providing support to Business Analyst | Providing training and support to my team | Reporting and Managing various resources like Object Repositories, Function libraries, Scripts

Achievements
Certificate of Appreciation, Dec-2017 | The Summit individual award, Feb-2017, and Jan-2018

Associate Software Engineer, Mphasis/Pune, Apr-2014 to Jun-2015

Project Name: **TS Rules** (QBE – FPS North America)
Role: Quality Analyst (Database validation)

Responsibilities
Requirement analysis | Developing test estimation, test plan, and test cases | Execution using SQL Server and validating various XML data | Defect reporting & management | Preparing Test Summary Report

Achievements
The Summit individual award, Oct-2014 | Appreciation from Client

ACADEMIC EXCELLENCE

- **First Division** - Secondary Examination – Narajole Mahendra Academy, Medinipur/WB -2008
- **Distinction** - Higher Secondary Examination – Jalchak N.N Vidyayatan, Medinipur/WB -2010
- **Distinction** - Bachelor of Computer Application– Vels University, Chennai/TN -2013

AWARD & EXCELLENCE

- **The Summit individual award (3 times, Oct-2014 & Feb-2017 & Jan-2018)**
- **Certificate of Appreciation (Dec-2017)**

SKILLS & ABILITIES

- **Ability to acquire knowledge quickly and accurately**
- I am proactive, eager to learn new technologies (**good at self-learning**)

- Worked in a team and independently with strong commitment.
- Strong adaptability to differing cultural and business environments
- Self-motivated, confident, have **Strong problem-solving and analytical skills**

CERTIFICATIONS

- **Data Scientist Nanodegree** from **Udacity**
- **SQL** from **Stanford University** (Online)
- **Intro to Python for Data Science** from **DataCamp**
- **Deep Learning Prerequisites** from **Udemy**
- Python 3 from SoloLearn
- SQL Fundamentals from SoloLearn

KEY DATA SCIENCE PROJECTS

Sentiment Analysis of Facebook post and comments, Apr-2018

Using Python and Graph API obtain posts & comments from FB pages in real time, computing sentiment score and store every detail in SQLite Database. Based on score, if negative inform concern person by sending a mail including all related information.

Wrangling, Analyzing and Visualizing Data, Jun-2018

Gathering data- Access tweet data of @dog_rates using tweeter API | **Assessing data**- finding various Quality and Tidiness issues in data | **Cleaning data**- Defining cleaning steps and finally cleaning all issues present in our data | **Visualizing and Reporting**- Visualizing various insight and finally creating detail report.

Explore US Bike share Data, Jun-2018

Created an interactive application which computes various statistics on US Bikeshare Data and presents to the user. Statistics include most frequent combination of start station and end station, most Popular stations and trip, most common hour of day.etc.

Predicting Boston Housing Prices, Jul-2018

Data Exploration | Model Building (Decision Tree) | Analyzing Model Performance (Learning Curves, Complexity Curves) | Evaluating Model Performance (Grid Search) | Predicting housing Prices

Creating Customer Segments, Jul-2018

Data Exploration and Visualization | Data Preprocessing (Feature Scaling, Outlier Detection) | Implementing PCA | Creating Clusters using KMeans clustering Algorithm | Cluster Visualization and Reporting

DECLARATION

It is declared that the above statements are true to my Knowledge.