Bhargav Geddam

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https://github.com/bhargavpirates

Career Objectives

To be in a higher position in an esteemed company where I can constantly learn and upgrade my skills and use them in best possible way for achieving the company's goal

Career Summary

Data engineer with 6 Years 5 months of Experience alongside with 1 Year of Experience on Machine Learning on performing data extraction from different sources, data Preprocessing using big data technologies, data Transformation, predictive modeling and data mining algorithms to solve challenging business problems. Involved in Python open-source community and passionate about designing complex architecture solutions.

Technical Experience

Programming   **:** Python, SQL, Scala.
Technologies: **:** Hadoop, Hive, Spark (Python/Scala), Sqoop, Datawarehousing.
Cloud Technologies : GCP Services (bigquery, dataproc, cloudfunctions, pubsub etc..), AWS.
Scheduling Tools   **:** Airflow, Control-M.
API Development   **:** Fast API
Web UI's   : Streamlit
Data Analysis   **:** Pandas, Matplotlib, Seaborn, NumPy
ML Toolbox   **:** Sklearn, SciPy, NLTK, Stats model, Kera's, TensorFlow.
IDE's   **:** Eclipse, Spyder, PyCharm.
POC 's On   **:** NLP Techniques, All Machine Learning Techniques,
              Deep Learning (MLP, CNN, RNN,LSTM,Encoder-Decoder,Attentation) Models

Educational Details

Academic	Board/University	Year of Pass	Percentage
B.TECH (Mech)	Andhra University	2015	8.5/10
INTERMEDIATE	Board of Intermediate, A.P.	2011	95
S.S.C	Board of Secondary Education, A.P.	2009	91

- Secured Gate Score of **550 in Computer Science paper (CSE -2018)**

Working Experience

Company : **Micron from May24th 2021 - Till Date**
Project 1 : **VTC TRIM Optimization**
Client : MICRON

Description : VTC Trim Solution is to find the optimal trim settings for the VTC circuits in a least amount of time . To achieve that we came up with page rank matrix graph-based model. Built end-to-end scalable, idempotent data pipelines using GCP bigdata services for both Training and Monitoring the model. Storing the model output in bigquery and cloud storage services. Created dashboard and notification UI using python frameworks Streamlit and fastAPI. Scheduled pipelines using airflow. Implemented logging, altering and audit mechanism.

Skills : GCP Dataproc, Bigquery, Cloudspanner, Cloudfunctions, pubsub, Python, Composer

Company : **Legato Health Technologies from Nov 11th 2019 - May24th 2021**
Project 1 : **Anthem Health Cloud**
Client : Anthem(Health Care Management System)

Description : The Anthem Health Cloud is a platform that brings together administrative, clinical and other data types to create market-leading analytics for commercialization . AHC consist of a private Cloud platform, a Data Lake, and an Analytic/Application layer . The Data Lake will be defined as a Hadoop Repository composed of three specific layers a) A Raw Layer for storage of time persisted source data b)A Curated Layer which will store Anthem defined data sets to allow for analytics to be developed c) A User Layer which will allow users to publish their own results and store.

Skills : AWS(EMR,S3,GLUE,RedShift,Lambda etc) ,Hadoop, Hive, Spark (Python), Python, MySQL, Control-M

Company : **Infosys Limited from OCT 26th 2015 - 27th Jan 2019**

Project 1 : **Royalties Calculation For Music Company**
Client : BMG

Description : calculated the royalties of the artists on the base of albums and song sold by that respective artist in every country along with many more requirements on top of it which includes the complex calculations on that data and generate bill to be paid to artist by others

Skills : Hadoop, Hive, Spark, Sqoop, Python.

Project 2 : **LGRS Application**

Client : Anthem(Health Care Management System)

Description : Developed LGRS Application along with my team here we used to
bring data from Teradata to Hadoop HDFS using Scoop and created
Tables on top of that data using Hive . and done ETL Transformation
on that tables using Spark technology and output of that data used
by Tableau team to generate reports

Skills : Hadoop, Hive, Spark, Sqoop, Python.

Project 3 : **Infosys Internal project [POC's]**

Title : Infosys Internal project

Description : worked on Infosys internal projects which uses
Machine learning
Techniques to   solve various small internal applications

Skills : Machine Learning , Data Visualization , Python

Internal Projects

Title : **Twitter API Sentimental Analysis with Multidomain Data as Training**

Description : Performed Sentimental Analysis on the Twitter tags i.e. Considering all the
tweets from the selected tag and done sentimental analysis on them. Here I
consider multi-Domain data as the Training data and applied all Machine
Learning Models on top of that data and then sent preprocessed tweet data as
the predicted data and predicted it sentimental values and latter applied Deep
Learning model on the training data and compared both ML and DL models

Skills : ML Models(MultinomialNB,Logistic Regression, XGBClassifier),
Kera's, Deep learning Model(LSTM)

GitHub : https://github.com/bhargavpirates/TwitterAPI-Sentimental-Analysis

Title : **HR_Analytics**

Description : This is about finding what are the factors responsible for the attrition of
Employee's from particular Company. So for this problem performed
Exploratory Data Analysis [EDA] on features and found how each feature is
Responsible for the Attrition of employee from the company. Later designed ML
Models for finding probability of the features for the attrition

Skills : Logistic Regression with Class balance and without class Balance, SVM Linear, RF
with Response coding, RF with OneHotEncoding, SlackModels, max voting

GitHub : https://github.com/bhargavpirates/HR_Analytics

Title   **: Netflix Recommendation System**

Description   **:** Netflix Recommendations System i have done this problem using Machine Learning Regression Model Technique . Computed top 5 similar user Ratings for every user and top 5 similar movie Ratings for every movie and consider these values as features along with other features of the given data and applied ML Regression Models on top of that data and Predicted Ratings of the movie for the given user.

Implementation   **:** E-commerce Application.

GitHub   **:** https://github.com/bhargavpirates/Netflix-Recommendation-system

Responsibilities Handled

- Connecting with different teams and gathering requirements.
- Design and development of data pipelines and data modeling using bigdata tools.
- Involved in development of API and UI's using python frameworks.
- Creating development plans, project documentation.
- Provide remote and onsite support for domestic and international customers.
- Assisting juniors and developers during their work.
- Establishing strong relations with the customers.
- Train the new employees.

Achievements

- Got Insta award for good performance at Infosys
- Completed the projects on time and got appreciations from colleagues.

Personal Details

- Date of Birth   : 28th Aug 1994
- Father's name   : Geddam Satyanarayana
- Mother's Name   : Geddam Lakshmi
- Marital status   : Un-Married
- Language Known : English, Telugu and Hindi
- Address   : DoorNo:53-25-7/3,Chaitanya Nagar, Maddilapalem, Visakhapatnam.