

OBJECTIVE: Seeking a challenging position in a dynamic organization in the Data Scientist position. I carry an experience of **4.5 years** in which I have worked as a Data Scientist at EasyRewardz and Machine Learning Engineer & Mentorship at BridgeLabz for ML Engineers.

SKILLS

- o **Languages:** C, C++, Shell Scripting, Python.
- o **Databases:** PostgreSQL, MySQL and MongoDB.
- o **Data Science Libraries:** Numpy, Pandas, Matplotlib, Seaborn, Sklearn, Tensorflow, Keras, Pytorch, Theano & OpenCV.
- o **Machine Learning Algorithms:** Supervised and Unsupervised, Clustering, Dimensionality Reduction, NLP, CNN, RNN, DBN, RCNN, GAN, LSTM, GRU, Word2vec, GloVe, Auto-Encoders, One-shot learning, Transfer Learning, Neural Style Transfer & YOLO.
- o **DevOps:** Docker, CI/CD using Jenkins and Kubernetes, MLFlow
- o **Cloud Platform:** Azure Cloud, AWS Cloud, Google Cloud, Data Engineering using Azure and Google cloud services.
- o **Other:** Curl, Git, Bitbucket, Beautifully Soap.

PROFESSIONAL EXPERIENCE

EasyRewardz Software Service (Gurugram Branch, NCR)

(1.5 years - April. 2020 - Present)

Data Scientist (Python, PyTorch, Statsmodels, Sklearn, Tensorflow, Keras, Pandas, Numpy, SQL, Azure)

- o Improved **data mining processes**, resulting in a 20% decrease in time needed to infer **insights from customer data** used to **develop marketing and finance strategies**.
- o Used **predictive analytics** such as machine learning and data mining techniques to forecast company sales of new products with a 95% accuracy rate and perform A/B testing.
- o **Developed ETL** for data sources used for reporting by **sales, inventory, advertising, and marketing departments**.
- o **Design Wireframes** of the products and **deployment architecture** designing of the products and their deployment.

KEY PROJECTS

Joey Chatbot (Text to SQL)

(NLP, Python, Universal encoder, DNN, Flask, Elastic Search, Docker)

- o NLP Based **chatbot** for the company website using **Universal encoder and cosine similarity**.
- o Take user query then convert into SQL query and give results to users.
- o Also, give the functionality to search using voice commands as google assistant and Siri have.
- o **Deployed it to the server**

System login using Face Recognition

(Python, PHP and Machine Learning Library OpenCV)

- o This application **detects human faces** in images as well as offline or in **real-time**.
- o We take an **image** as input and process it with **OpenCV Framework** and give output with **human face detection** and other parameters like the name and if that **name exists** in DB then it permits to **login to a system** otherwise **denied**.
- o **Deployed it to the server.**

Customer Churn Prediction

(Python, Classification algorithms, Sklearn, Pandas, Numpy)

- o Have customer data with **features**, customer detail, shopping details, etc and with **label churn or not churn**.
- o Train customer data on the **Classification algorithms** like **Logistic Regression, SVM**, Decision Tree, Random Forest and **Neural Network**.
- o Then **predict whether the** company will be **churn or not**.
- o **Deployed it to the server.**

Speech emotion Recognition or Analysis

(Python, Numpy, Pandas, Librosa, Sklearn)

- o This application **detects human speech** in offline or **real-time**.
- o We take a **speech** as input and **extract features** from it and we have the **label** of every speech.
- o Then give training on those features and labels on different supervised algorithms of giving output from **different emotions** lists (**neutral, calm, happy, sad, angry, fearful**).
- o **Deployed it to the server.**

EXTRA WORK

UI designing wireframes and decisions of the products.

Resolving issues at the production.

Distributed training and/or GPU-based training.

Deployment architecture designing of the products and then their deployment on our test server for testing purposes.

BridgeLabz Solutions LLP. (Mumbai Branch, MH)

(1 yr 11 months - June. 2018 - March 2020)

Machine Learning Engineer

(Python, Sklearn, Spark, BigQuery, Apache Beam, Pytorch, Pandas, Numpy)

- o **Selecting features**, building and **optimizing classifiers** using machine learning techniques.
- o Hands-on experience in Machine Learning algorithms like **Linear Regression, Logistic Regression, SVM, Decision Tree, Random Forest, Neural Network, RNN, LSTM, GAN, NLP, CNN & Computer vision.**
- o **Processing, cleansing, and verifying real-time data** integrity of data used for analysis.
- o **Mentorship** to fellowship engineers on Machine learning and **skill up** them on **future technologies.**

KEY PROJECTS

BridgeLabz Website Chatbot

(NLP, Python, Sequence Model, Keras, Flask and MongoDB)

- o NLP Based **chatbot** for the company website using **RNN, SVM** algorithms.
- o Help **Fellowship engineers** to **answer** simple questions. It makes the thing **easy** and **time-saving** for the company.

Sales Leads Classification

(Python, Classification algorithms, Sklearn, Keras, Flask and MongoDB)

- o Have sales data with **features** company **size, requirements, name, location, funded, etc** and with **label qualified or unqualified.**
- o Train sales data on the **Classification algorithms** like **Logistic Regression, SVM, Decision Tree, Random Forest** and **Neural Network.**
- o Then **predict** the company will be **qualified or unqualified.**

Hidden Talent R&D Pvt Ltd. (Bhilwara, RJ)

(1 yr - June. 2017 - May. 2018)

Front-End Developer

(HTML, CSS, JavaScript, Material Design, Angular6, JSON)

- o Bringing a designer's concept to life with **HTML, CSS, and JavaScript.**
- o Production, modification, and maintenance of websites and web application user interfaces.
- o Contributing some **back-end experience**, collaborating on **APIs**, and more.
- o Maintaining software workflow management with a project management tool like **GitHub** and **task runners like bitbucket**

KEY PROJECTS

Validation Chrome Extension

(Angular6, Material Design, Local Storage)

- o Validation assistant is a **google chrome plugin** and validation helper tool.
- o Using a validation **Assistant we can share test users** with our team. Mainly this **tool is used by the Union Bank of America.**

System Logs Management

(Angular6, Material Design, Local Storage, NodeJs, Python)

- o Developed a **python script** to **filter the logs** based on **keywords** and then developed a **Nodejs API** to execute and read the script.
- o Developed UI to showcase the filter logs and **integrate the API** with Angular 4+. Mainly this **tool is used by the Union Bank of America.**

PROBLEM SOLVED

CorrectMe (An AI-based text editor)

(Python, Python Flask, Torch, Transforms, JS, HTML)

- o An AI-based text editor which **auto-correct, auto-suggest, correct grammar mistakes** and detect **abusive words.**
- o Used **Bert algorithm** for auto-suggestion, textblob for auto-correction. [Watch Now](#)

Amie - Phone Advisor

(Facebook Messenger, Shell Scripting, PHP, MySQL and NLP)

- o Solved **phone buying problem** using an **AI-based chatbot i.e. Amie**
- o Who will **ask** the **user** their **requirements** and according to that, it will give some **solutions** to give a clear picture.
- o It **saves a lot of time** which users waste while **searching** and also they will get **more accurate results.** [Watch Now](#)

CIQ

(NLP, Python, Rasa ChatBot, Flask and Bootstrap)

- o Solved company co-workers problems using **Rasa Chatbot. Searching commands** on google and **getting links** instead of commands.
- o Built an **NLP based search engine** where users could search for commands and get them in **one line of a word.**

Jarvis

(Python, OpenCV, Shell Scripting, Wit.ai, PHP and MySQL)

- o **Notify** me about my **daily tasks**, update the **latest news** of my interests, visit **my home when nobody was at my home** with that **person's image**, and do my repeated tasks like In/Out at **entering/exit the office.**
- o It did a **super job** for me and **reduced** my **time** for **repeated work.**

EDUCATION

- o **Bachelors** in Information Technology | the University of Rajasthan at MLVTEC | Bhilwara, RAJ. | **Pct: 60** **Completed:** June 2017
- o **SSC** in Science and Mathematics | CBSE at St Anselm's Sr. Sec. School | Bhilwara, RAJ. | **Pct: 68** **Completed:** June 2013