Manideep Bangaru

bmd994@gmail.com **+917416228028**

OBJECTIVE: *Seeking a challenging career position in an organization where I can use my technical skills & creativity to make a significant contribution towards growth & development of organization along with my personal growth*

Professional Experience:

Company Name: **Gameopedia Data Solutions Pvt Ltd,** *Hyderabad (*Sep'22 to Present*)*
Domain: *Data Science*
Tools Used: *Python, mysql, Confluence, Jira*
Short Summary of the projects dealing with:

- **Team Lead - Data Science :**
  Client: Gameopedia
  Role: Team Lead - Data Science
  Responsibilities:
    1) Directing the data science ship in the organization
    2) Direct point of contact for any Data Science work
    3) Conflict resolution, Problem solving
    4) Workshops organizer and projecting data science capabilities
    5) Frequent catchup with the internal & external clients to identify opportunities
    6) Designed Opportunity assessment plan
    7) Smoother execution with reasonable timelines using Agile methodology
    8) Cross functional interactions
    9) Team - Performance assessments

- **Context Relevance Check :**
  Client : Multiple Clients
  Role: Team Lead - Data Science
  Responsibilities:
    1) Lead and Team contributor
    2) step-by-step executions
    3) Brainstorming around the solutions
    4) Documentation of the project and communicating the progress to CTO
    5) Directing the team to be on-track, setting up the timely goals so that they don't deviate
    6) Client presentations

- **Motivation Mapping Engine :**
  Client : Multiple Clients
  Role: Senior Data Scientist
  Responsibilities:
  1) Solely handled the project
  2) Built a predictive model which will take a list of games played by the user and outputs the motivation
  3) Implemented CI/CD pipeline
  4) Client interactions

Company Name: **Accenture,** *Hyderabad (Jun'21 to Sep'22)*

Domain: Data Science

Tools Used: Python

Short Summary of the projects dealing with:

- **Virtual Agent using BERT model:**
  Client : Multiple clients
  Role : Data Science Specialist
  Responsibilities :
  1) Part of a team which builds virtual agents
  2) This particular agent takes in pdfs as knowledge source and builds a corpus
  3) It uses BERT transformer model to answer to the queries asked by the user from the documents
  4) Proactively lead client presentations
  5) Worked on multiple POCs in sync with the client needs

- **Search engine using BM25 retriever:**
  Client : Multiple clients
  Role : Data Science Specialist
  Responsibilities :
  1) Idea is to build a search engine which reduces the effort and increases the speed of associates in finding right document for right incident
  2) The solution goes through a pipeline which undergoes various pre-processing steps such as work tokenizing, stop word removal, lemmatization, document term matrix, etc.
  3) BM25 retriever is being used to crawl through document term matrix and gives us the best match

Company Name: **Cognizant Technology Solutions,** *Hyderabad (Jan'19 to Jun'21)*

Domain: Data Science

Tools Used: Google Colab, TensorFlow, Python, R, Microsoft Power BI

Short Summary of the projects dealing with:

- **Wheelchair sign detection Model:**
  Client : Google
  Role : Sr. Developer
  Responsibilities :
  1) Developing a Deep Learning model to detect Wheelchair accessibility signs on the storefronts, consumed large data of images and trained model with Faster R-CNN by playing around the hyperparameters
  2) Built a Single Shot classification model on top of the detection model to uplift the Recall by not sacrificing Precision
  3) Interactions with the client to understand about the pipeline to make the model accurate enough to meet the requirement
  4) Ran inference jobs on couple of countries and helped the clients to increase the number of detections within less production time
  5) Model was used by different clients across the globe to detect Wheelchair signs

PDF Comparison tool:
    Client : Corelogic
    Role : Team Manager
    Responsibilities :
        1) As a lead developed a tool, which compares two pdfs and highlights the text in both the documents wherever there are differences
        2) Frequent interactions with the client to understand the business needs to align with the desired requirement
        3) Used wide varieties of cleaning and pre-processing techniques to apply NLP techniques for Exact mapping of pages in two documents and highlighted the differences, one w.r.to other
        4) Directed the team to develop a UI using Rshiny, which provides users the ease of operating 5) Designed a tool in such a way that a user needs to input two pdf documents and just need to run the tool and there will be two output documents corresponding to the input documents in which the differences are highlighted

Company Name: Affine Analytics Pvt.ltd, *Bangalore (Jun'18 to Dec'18)*

Domain : *Data Science*

Tools Used : *Python, R, SQL, Tableau, Excel*

Short Summary of the projects dealt with:

- **Title Demand Forecasting :**
    Client : Sony
    Role : Senior Business Analyst
    Responsibilities :
        1) World's one of the best gaming company wants to know how the sales behaviour of a game is going to be after few months of its release
        2) So that it can manage its spend on the game to maximize the sales
        3) Designed an end to end pipeline which initially learns from the previously released games and their respective transactional data, and provided a template to the client in which he needs to dump the data of the previous quarter so that this data can be used to throw out the predictions of the next quarter

- **Footwear Sales Forecasting :**
    Client : Nike
    Role : Senior Business Analyst
    Responsibilities :
        1) A leading market shareholder of Footwear needs a forecast on the amount of sales for every second quarter
        2) So that they can manage the inventory and target the type of footwear to increase the sales 3) At a broader level of types of footwear that are productionized by the company, developed an ecosystem which helps to not only use this template for second quarter sales but also to create a new product which can also be of good demand

Company Name : Nielsen India Pvt.ltd , *Bangalore(Oct'16 to Jun'18)*

Domain : *Data Science*

Tools Used : *Python, R, SAS, SQL, Excel*

Short Summary of the projects dealt with:
- **Item coding using Machine Learning and Natural Language Processing :**
    Client : The Home depot
    Role : Data Scientist

Responsibilities :

    1) There are millions of items in the online space that are not coded due to the quantity and lack of automation.

    2) As the data is huge in the online space, used Impala to query the data from the big tables (Hadoop clusters)

    3) The challenge is to reduce the manual effort without affecting the quality of the item coding

    4) Created labels to the product just by observing the attributes the product carries 5) In addition to the labels, also tried to divide the products into their respective category using tree based algorithms

- **Customer Targeting Analytics :**

    Client : Ford motor company

    Role : Data Scientist

    Responsibilities :

        1) Analyzed the data of few news channels and entertainment channels over the purchase behaviors of the customers so that it helps the respective clients to target the customers to bring them into their business

        2) Increased the sales by ~ 5% by providing the client with the recommended timings and the respective events to target specific group of people

Company Name : Deloitte, Hyderabad (Contract: May'16 to Aug'16)

Domain : Property Accounting Analytics

Tools Used : R, SAP, Excel

Role : Associate

Responsibilities :

1) Being in the Property and Account team of Deloitte for US and INDIA offices, Analysed the lifecycle of an asset from the time of procurement to the time of depreciation

2) Done a Research on the active assets and helped the business to monitor the assets from day to day life

Early Experience (INTERNSHIP) :

Company Name : **Synchrony Financial** (*Formerly known as* **GE Capital**)

Domain: Analytics & Business Intelligence (**Retail Analytics**)

Tools used : SAS, Excel, PowerPoint

Role : Intern Analyst

Responsibilities :

- Analyzed activations of accounts by channel to suggest business the optimum number of days to target a never active accounts
- Nevertheless suggested the average promo and non-promo transactions to recover acquisition dollars spent on hit and runs and never active accounts

Achievements :

- *Certified Base SAS 9.4 Programmer (Certified by SAS India)*
- *Certified in INSOFE'S CPEE certification ranked 3rd worldwide on data science with 78% aggregate (Certified by **LTI of Carnegie Mellon University**)*
- *Lead the team, which automates SAS scripts to Python to reduce the revenue*

Skills :

Programming languages : *TensorFlow, Python, R, SQL*

Visualization Tools : *Tableau, Microsoft Power BI, Glue Viz, Excel*

Conceptual Skills : *Hugging face transformers, Computer Vision, Natural Language processing, Machine Learning*

Educational Background :

International School of Engineering (INSOFE), Hyderabad, India   ***April 2016 to Oct2016***

website: http://www.insofe.edu.in/

Certificate Program in Big data Analytics and Optimization

It is a 6-month Applied Engineering course in Data Science, Big data analytics and Optimization in which we will be exposed to various analytical tools and Machine Learning models to find the patterns in the data, then used for predictions and decision-making.
The Program is certified for the quality, pedagogy and assessment by LTI of Carnegie Mellon University.

Jawaharlal Nehru Technological University, Hyderabad, India   ***July 2011 to June 2015***
Bachelor of Technology in Electronics and Communications Engineering (ECE)
Percentage secured: 73.35