Yogesh Vithoba Sakpal, MasterCard International Inc
Experience in executing full life-cycle development projects; ramping up projects within time, budget & quality parameters, as per project management & best practice guidelines, targeting assignments in **Data Science, Machine Learning and Deep Learning** with an organization of high repute
Location Preference: **Mumbai and Overseas**

📱 +91-8983634728 / 8329907125   ✉ yogeshsakpal59@gmail.com

Profile Summary

- **Achievement-driven professional** with an experience of **10 years**
- Experience in architecting applications with **Algorithms, Data Structures, Artificial Intelligence, Machine Learning, Deep Learning, Recurrent Neural Network and Python**
- Handled the team of **13 members (US, India and Brazil)** including full time FTE and intern.
- Skilled in libraries such as **Spacy NER, BERT Transformer, Sklearn, Numpy, Pandas, Matplotlib, Tableau for Data Visualization, Keras, Tensorflow, SQL Server, Plotly Dash, PYQT5, Flask and XML**
- Rich experience in all phases of the **software development life cycle** (requirements, design, development, testing, release, support), utilizing multiple development methodologies, including **Agile Model**, **Design Patterns, OOD, Extreme Programming, and Structured Programming**
- Expertise in manipulating and analyzing complex, high-volume, high-dimensionality data from varying data sources and big data sources

Core Competencies

Competency	Rating
Data Science	★★★★★
Machine Learning	★★★★★
Artificial Neural Networks	★★★★★
Convolutional Neural Networks	★★★★★
Predictive Modelling	★★★★★
Computer Vision & Image Processing	★★★★★
Quantitative Analysis	★★★★★
Training & Development	★★★★★
Deep Learning	★★★★★

Career Timeline

Apr'14 – Jun'18
Sr. Software Developer, Accenture Solutions Pvt Limited

Aug'19 – Nov'21
Assistant Manager, General Mills Inc

Associate Process Manager, eClerx Services Pvt Limited
Jun'18 – July'19

Senior Data Science Manager-VP, Mastercard
**Dec'21 – Apr'23**

Work Experience

Key Result Areas:

- Working closely with business and engineering teams to encourage statistical best practices with respect to experimental design, data capture and data analysis
- Deployment of **Machine Learning and Deep Learning Models in clouds Like AWS, CDSW and GCP.**
- Building ETL pipelines for complex projects on Data Science, Machine Learning, Deep Learning
- Interacted with the **Domain Expertise to understand the Business Requirements** of the ML and DL projects
- Participating in Data Preprocessing Techniques to make data useful for creating Machine Learning Models
- Building various regression and classification algorithms by using various Sklearn libraries
- Drafting Machine Learning Models for test A/B content for clear decisions related to the products
- Providing internal corporate training within the company for Data Science, ML and Deep Learning
- Designing the neural networks using **Pytorch, Tensorflow, Keras** for various internal projects within the company such as automating image identifier using computer vision
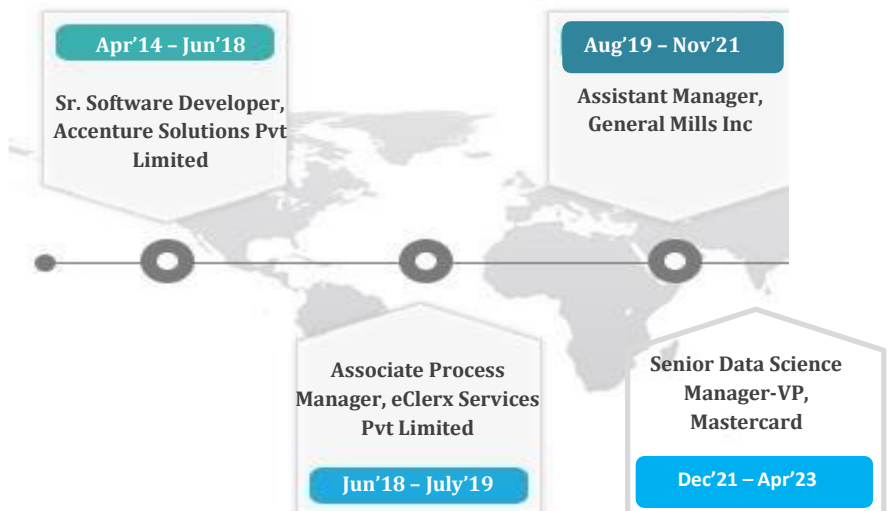
Highlights:
- Executed some internal projects as Data Scientist with using tools such as Tableau for Data Visualization
- Recognized by managers, colleagues, and peers for innovation, communication, and teamwork to ensure quality, timely project completion

🎓 Education
- **B.Eng. (Information Technology)** from VIT College of Engineering, Wadala, Mumbai University, Mumbai in 2013.
- **Master Program in data science and analytics** from John Hopkins University in 2016-17.
- **Master of Business Administration** from NMIMS University in Marketing and International Marketing in 2020.

Technical Skills
Programming Languages: Python, Machine Learning, Artificial Intelligence, Deep Neural Networks, Convolutional Neural Network, BERT Transformer, Sklearn Libraries.

Databases: Hadoop HDFS, Snowflake, SQL Server 2014/2012/2008/2005.

Platforms and Misc.: Anaconda, Jupyter Notebook, Spyder IDE, PyCharm, Anaconda, Windows XP/W7/W8/W10, Linux

Personal Details
Date of Birth: 06/12/1991
Languages Known: English, Hindi, Marathi
Address: 301/A-Wing, Shubh Nisarg complex near Mohan palm, Badlapur (East).

Annexure (Projects Undertaken) –

Dec' 21 – Till Date: Mastercard International Inc, as Senior Data Science Manager - VP:
Project 1 – International Categorization and Entity Recognition
Client Name – Consumer Solution Team – US, Canada, Australia, Brazil, Europe, Mexico; Open Banking Domain
Description – The scope of the project is to extract the important entities and classify the transaction into different categories. Those categories are different for different countries.   [Python, Snowflake, AWS EC2, NER, BERT Transformer]

Project 2 – International Income Stream Classifier
Client Name – Consumer Solution Team – US, Canada, Australia, Brazil, Europe, Mexico; Open Banking Domain
Description – The scope of the project is to classify the open banking transactions into INCOME or NON-INCOME to make the lending decisions such as approving or declining a mortgage application or an auto loan.
[Python, Snowflake, AWS EC2, Classifier]

Aug' 19 – Nov'21: General Mills Inc, as Analytics Manager – Marketing Analytics & Insight Team (CMI Function):
Project 1 – Smart Alert/Alarm Email Notification – Consumer Contact Trend Identifier
Client Name – Consumer Relation Team – US, Canada, EUAU, China; FMCG Domain
Description – The scope of the project is to find out if there is a sudden increase in trends for complaints, questions, praises, and request, and extracted insights might be an alarm that something is wrong with the product. There are set of algorithms which runs weekly on the consumer careline contact data. [Python, HDFS, Spark, Statistical Modeling, SQL Server, MS Flow]

Project 2 – Early Warning System - Trademark Signal Analysis
Client Name – Business Excellence (Bx) Team – NAR Region; FMCG Domain
Description – The scope of the project is to extract required trademark related information from USPTO website by using webscraping through selenium drivers and find out if there is any new trend filed by attorney for a period. Show them this as an early warning signal to act on.   [Python, Websraping, NLTK, YAKE, Absolutdata Tools]

Project 3 – Global Category Forecasting Analysis
Client Name – Global Foresights and Intelligence Team – US, Canada, Pet, EUAU; FMCG Domain
Description – The scope of the project is to do category forecasting for US, Canada, Pet, and EUAU region for next three years by taking into the consideration of COVID19 impact, has happened globally on demand and supply. This has implemented by using bilinear time series regression model.   [Python, R-Shiny Application, Bilinear Time Series Regression]

Project 4 – Barnum Leading Indicators – Predictive Analytics
Client Name – Competitive USRO Team; FMCG Domain.
Description – The scope of the project is to identify very early in the life of a newly launched product if it is going to sustain or not, so we could react more quickly, fuel strong performers, save struggling launches, and move on sooner to make difference in business strategy.   [Python, Statistical Modeling, KMeans, XGBoost Algorithm]

Project 5 – Pockets of Growth Analysis – Incremental Opportunity Findings
Client Name – Business Excellence (Bx) Team and DnA Team; FMCG Domain
Description – The scope of the project is to scan Milly dataset across all areas that General Mills participates in. These areas are given an estimated incremental opportunity ($) based on the specifics of who recently performed well in that space, over the past year. It is intended to be used for communications opportunities, later extended to white-space opportunities by having a new sizing algorithm.   [Python, HDFS, PySpark, Statistical Modeling, SQL Server]

June' 18 – July'19: Eclerx Services Pvt Ltd, as Associate Process Manager – Data Scientist:
Project 1 – DataProbe - An Automated Machine Learning
Client Name – Millennium Partners; Financial Domain
Description – The scope of the project is to develop an engine which can automate the end-to-end modeling process by applying machine learning algorithms to real-world problems. Also, make an automated engine available in true sense, even to people with no major expertise in this field.   [Python, WordPress, Machine Learning Algorithms]

Project 2 – Form10K – An Automatic Keyword Extraction using Sequence Tagging with NER
Client Name – Doc Intel; Banking and Commercial Banking Domain.
Description – The scope of the project is to extract important keyword information from US annual report Form10K with the help of Bidirectional LSTM model by making the central repository of various entities for business operation and the transformation of the extracted helper function for further tagging. [Python, NLTK, Glove, Bidirectional LSTM, CNN, CRF]

Project 3 – Theia – Transfer Learning Analysis.
Client Name – Ozmol; Security Domain.
Description – The scope of the project is to extract important information from the given set of image dataset and classify the image as a celebrity or not a celebrity by looking at the benchmark provided by the business expert and need to do the image captioning on the provided image.   [Python, Transfer Learning Algorithm, CNN, ResNet50]

Project 4 – Reconciliation Manager.
Client Name – Ozmol; Security Domain.
Description - The scope of the project is to build an application for reconciliation with AI and ML to enable the user to understand better his role and inputs. This application performs reconciliation of images from multiple sources and perform different types of data matching analysis.   [Python – Numpy, CNN, OpenCV]

Dec'15 – June'18: Accenture Solution Pvt Ltd, as Senior Data Scientist:
Project 1 – LM Campaign Management – Customer Modeling/Segmentation.
Client Name – Inhouse; Insurance Domain.
Description – The scope of the project is to build an application that gives a prediction on real word campaign management data were which customers are going to participate in this campaign or not, if not offer them new schemes, incentives to remain loyal.   [Python, Campaign Management, Random Forest]

Project 2 – LM Campaign Management – Customer Collaboration and Branding.
Client Name – Inhouse; Insurance Domain.
Description – The real word scope of the application is to retrieve an information from various category from blogs and create machine learning algorithm that will give you review analysis on commented text dropped on blogs.
                    [Python – Sklearn, Pandas, Numpy, NLTK, Random Forest]

Project 3 – Automation & Process Development – Revenue Management.
Client Name – Accenture CIO; A&PD Inhouse.
Description – The scope of the project is to forecast for next month fortnight hours for the employee who all are supporting the project assignment by taking care of criteria from the project leads. This has implemented with the concept of time series analysis by looking at last project charging history of each WBSe.   [Python – Sklearn, Pandas, Numpy, ARIMA, LR]

April' 14 – Dec' 15: Pyramid IT Consulting Pvt Ltd as Data Analyst/Solution Architect – Deployed at Accenture.
Project 1 – CCB Process Conversion – Attrition Analysis
Client Name – CCB; Human Resource
Description – The scope of the project is to analyze the employee attrition data in more towards understanding the attrition rate of the company. As recommendation we need to provide strategies to overcome the attrition rate.   [Python, SAS]

Project 2 – Standardization and Migration of Business workflow.
Client Name – JP Morgan Chase; Business Banking
Description – In this project we worked with JP Morgan Chase as analyst in supporting a business process management venture were project involved in the standardization of process maps in MS Visio to enable the migration of these process maps into Igrafx Enterprise modeler 2010.   [Igrafx, Microsoft VISIO, SharePoint Server]

August' 13 – Mar' 14: PR Construction ltd as ERP Database administration.
Project 1 – ERP Planning for Company Employee Database
Client Name – Internal Stakeholder
Description – The scope of the project is to build the ERP system for their employee database management to know the information of individual in short period.   [Java, SQL Server, SAS, Hyperion Planning]

☗ Professional Certification –

1. **BCS ISEB** – Business analyst foundation certification, Global BCS Community.
2. **Agile Scrum certified professional**, Accenture India.
3. **PPSM** [Program, Project Service and Management] certification, Accenture India.
4. **Scrum Master –** Project Delivery and Project Management.
5. **Full Stack Software Developer** – Pearson group.
6. **Google Cloud Platform** – For Project Management.
7. **Cloudera Data Science Workbench** – Project End to End Process Understanding.

✎ Declaration –

I hereby affirm that the above information is true and best of my knowledge.

Place: Mumbai   Yours Sincerely,
Date: (**Mr. Yogesh V. Sakpal**)