

Vinit Ganorkar

PERSONAL SUMMARY

Space for a photograph

Role:

Senior Data Scientist

Mail Address:

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Portfolio:

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Cell Number: +91-9028381267

Dear Sir/Madam,

Kindly find enclosed my resume to provide you with an overview of my relevant experience and training in Artificial Intelligence. I have **almost 7 Year of experience in Artificial Intelligence, Deep Learning, Machine Learning, Natural Language Processing, Hadoop and ETL field**. Currently I am working as a Senior Data Scientist and would be happy to work on various innovative technologies through research and development.

I will be delighted to discuss my experience further with you to suit your requirement.

Looking forward to hear from you,

Yours Sincerely,

Vinit Ganorkar

Career Objective

To secure a challenging position in a fast transitioning Product based organization where I can do Product development through Research and Explore my Technical as well as Managerial skills.

PROFESSIONAL SUMMARY :

- Almost **7 Years** of experience in Insurance and telecom based Analytical Industry.
- Knowledge of **Advanced analytics** concepts and algorithms – text mining, social listening, **predictive modeling** etc.
- Substantial experience in **Data Science, Artificial Intelligence** as well as Expertise in Hadoop Ecosystem.
- Ability to devise a structure for **Solving Unstructured Business Problem**.
- Sound knowledge about **Deep Learning, H2O AutoML**.
- Hands on experience with **API development** and Building **Docker** containers.
- Sound knowledge about Machine Learning **Deployment pipelines** (MLOps).
- Expertize in working on various cloud services like **Azure, GCP**.
- Hands on experience with tools like **Hue, HIVE** and Teradata, **Tableau**, SSIS.
- Hands on experience with Different query languages such as **HQL, SQL, NoSQL**.
- Experience in working under **Agile Project Planning Environment**.
- Understanding the Business requirements and develop the Requirement tractability Matrix (RTM) to test the complete functionality of the application.

Employment History

Name of the Company	Designation	From	To
Reliance Jio, Bangalore	Senior Data Scientist	01-Sept-2021	Till Date
M&G Prudential, Mumbai	Senior Data Scientist	17-Jan-2018	31-Aug-2021
Cognizant Technologies Solutions, Chennai	Data Scientist	05-Feb-2016	15-Jan-2018

Achievements:	Timeline
Winner HPE Machine Learning Hackathon	July 2022
Ranked in top 100 Analytics Professional by Analytics Vidhya.	Jan 2019
Winner Colombia Gender Recognition Challenge by Times Internet (NLP)	Aug 2019
Finalist of Microsoft AI Challenge 2018 (Information Retrieval).	Nov 2018
Winner of Springer Nature Pune Artificial Intelligence Hackathon (Image Classification).	Sept 2018
Winner of News Article Recommender Challenge, Hosted by Times Internet @International Artificial Intelligence Summit - 2017, IIT-Powai (Click Prediction).	Dec 2017
Winner of Techgig's Data Science Edition 2 Challenge Hosted by Techgig.(Sequence Prediction)	July 2017
Runner up of Big Data Innovation Challenge Hosted by GE Digital.(Loan Defaulter Prediction)	June 2017
Finalist of Data Science hackathon Hosted by ITC Info tech.(Twitter Influencer)	May 2017
Finalist of IBM Watson Bot Challenge Hosted by IBM.(Chatbot)	May 2017

PROFESSIONAL PROJECT EXPERIENCE

Project 9:

Project Title : **Customer Attrition**
Role : Senior Data Scientist
Client : Reliance Jio
Tools : Machine Learning – LightGBM, SHAP

Project Description:

Being the largest telecom operator in India, Jio wanted to focus on understanding the pain points of its customers even before they request a port out, so we built a customer churn model which predicts customer base who will port out post 15 days from model run date. Based upon model output doing reason code analysis further helped us in understanding why particular customer might leave us – this then helps Jio to plan the retention strategy well in advance to retain huge customer base.

Responsibilities:

- Understanding telecom data and building massive data and feature pipeline.
- Building Multi model ML architecture capturing distinct aspects of customer.
- Model validation and testing on next 3 months of unseen data.
- Performing extensive chained reason code analysis from one model to another.

Project 8:

Project Title : **Carbonator**
Role : Senior Data Scientist
Client : M&G (UK)
Tools : Machine Learning – H2O AutoML

Project Description:

Business needed carbon emission values of all those companies which does not disclose its emission values anywhere, So we came up with a framework which estimates these values based upon some of the readily available information about the companies. Training samples had data from different geographical companies as well as from various sectors. The final product was a streamlit based UI where a user can upload the input data of various companies and get their respective predicted emission values with some cool visuals.

Responsibilities:

- Collection and aggregation of data from different sources like Bloomberg and MSCI.
- Trying out different modeling approaches – validating and comparison.
- Dealing with highly cardinal categorical variables.
- Training AutoML model and utilizing MLFlow to track and package it.
- Developing a new metric to evaluate the model considering the business context.

Project 7:

Project Title : **Carbon Intensity Analyzer (CIA)**
Role : Senior Data Scientist
Client : M&G (UK)
Tools : Deep Learning - NLP

Project Description:

Business problem is to how we can help Portfolio managers or Asset managers to allocate funds in carbon neutral companies. Technical problem revolves around identifying if a company is taking about reduction of carbon in its annual report or earnings call transcripts.

Responsibilities:

- Working on data pipelines to get data form 3rd party providers using their API's.
- Cleaning and pre-processing all the text data – building data pipelines.
- Building a classification model like BERT for identifying the carbon sentiments.
- Worked on improving the inferencing speed of heavy deep learning model.
- Worked on model expandability part using SHAP/LIME.
- Developing Visualizations around text to gain confidence of end user.

Project 6:

Project Title : **Dynamic Risk Calculator**
Role : Senior Data Scientist
Client : Prudential (Thailand LBU)
Tools : Python, K-means, XgBoost

Project Description:

Project revolves mostly around accessing and evaluating the customer risk like location risk and occupation risk and profiling the customers into different buckets. Where customer in each segment will be asked varied set of dynamic questions, which will eventually reduce the no of questions been asked while onboarding and thus in a way improving the customer onboarding experience.

Responsibilities:

- Data mapping and preprocessing.
- Exploratory Data Analysis on various QA pairs.
- Understanding the functional knowledge of the questions been asked.
- Customer segmentation based on various key parameters.
- Use of XgBoost ML Library to compute claim risk.
- Iteratively testing the model and improving hyperparameters using CV.
- End to End algorithm planning and Implementation.

Project 5:

Project Title : **Facial Analytics**
Role : Senior Data Scientist
Client : Prudential (Thailand LBU)
Technology : Deep Learning

Project Description:

The objective of the project is to improve the underwriting experience of a targeted low risk customers. Since, Current Health Insurance Underwriting Process involves asking several questions related to health, however majority of the customer turns out to be healthy, so we built an analytical solution which will provide user's BMI, Age, Gender and Smoking information from the real time selfie.

Responsibilities:

- Data scraping, data collection and preprocessing.
- Data Cleaning – Close eye detection, face tilt detection using dlib.
- Model Building using deep learning framework – Keras and fastai.
- Boundary condition Analysis for BMI.
- Packaging the model into docker.
- Making a Flask based API of the same.

Project 4:

Project Title : **Voice Analytics**
Role : Senior Data Scientist
Client : Prudential (UK)
Technology : Deep Learning

Project Description:

FCA wanted to conduct a Thematic Review of Annuity Sales Practice (TRASP) to identify whether any policy miss sell has happened by an agent over an audio call between 2008 to 2015, where EY was the audit partner and deloitte was an analytical partner, our job was to develop a voice matching model which identifies and stitches the calls of same customer into a single (.wav) audio file.

Responsibilities:

- Built a LSTM based preprocessing model to separate IVR and speech.
- Built a multi input single output voice matching DL model, with 90% accuracy.
- Stitching the matched calls for each customer so in a way track customer journey.
- Creating a weekly report and sharing it with stakeholders.
- Getting involved in call with testing team lead to understand the reported bugs.

Project 3:

Project Title : **ESG Intensity Prediction**
Role : Data Scientist
Client : Cognizant - Hartford (US)
Tools : Python, NLP, Naive Bayes

Project Description:

It is advised to invest money in the firms, which are Environmental, Social and Governance complaint (ESG) by a government, so we built an analytical solution, which will help portfolio manager to get the ESG intensity of any firm based upon its monthly news dataset along with the stock price movement.

Responsibilities:

- Data Cleaning and Topic Modeling on news dataset.
- Word vector generation using the Pretrained glove vector.
- Built a framework to get a stock data from yahoo finance.
- Start to end algorithm implementation.
- GUI development using Tinker.

Project 2:

Project Title : **Defect Severity Prediction**
Role : Data Scientist
Client : Cognizant (Internal)
Tools : Python, NLP

Project Description:

Many projects use HP ALM to raise a defect, where we register many attributes like Defect description, defect summary, Assigned to, defect priority, defect severity etc, Now a new hire in a project can't figure out the severity of the defect correctly while raising it, So we decided to use a Machine Learning for the defect classification into Medium, High, Low and Critical.

Responsibilities:

- Textual Data Cleaning and word vector generation.
- Use of NLP for generating textual features and understanding Part of speech tagging.
- Exploratory Data Analysis on various features.
- Understanding the functional knowledge of the defect.
- Use of NLP for generating textual features.
- Start to end algorithm implementation.

Project 1:

Project Title : **Teradata Offload**
Role : Hadoop Engineer
Client : Cognizant - British Gas
Tools : Hue, Hive, Teradata, Platinum, Excel

Project Description:

The British Gas wanted to migrate their customer's data from existing Teradata to Hadoop for better analysis purpose, Our team have to validate whether all the newly developed HQL scripts are pulling the data properly into HDFS or not, We have also done SCD level 1 and level 2 validations to make sure that the daily changes in the source data has been properly populated into HDFS into its corresponding area's (open and close) without any impact on existing functionality of other components in source systems.

Responsibilities:

- Executed procedures such as onetime offload from source system.
- Running Master scripts, Driver scripts time to time as required by the project.
- Editing many config(.cfg) files time to time to do Initial load followed by a Delta load.
- Performing SCD validation on sample dataset to test and validate the approach.
- Analyzing the HQL scripts to find out the reason behind missing records.
- Coordinating with report development team as well as Hadoop development team.
- Experience of working closely with developers to analyze the cause of data mismatch.
- Performing count, Duplicate and null validations using HQL scripts.
- Communicate with the onsite and offshore team members, as required.

Educational Details				
Degree	Institute	University	Year	Grade
MTech (I&C)	Vishwakarma Institute of technology, Pune	Autonomous	July 2015	8.82(GPI)
B.E.(E&TC)	Sinhgad College of Engineering, Vadgaon , Pune	Pune University	2012	63%
Diploma (ECE)	Govt. Polytechnic , Amravati	Autonomous	2009	84.62%
SSC 10th Board	Golden Kids English School, Amravati	Maharashtra Board	2006	80.52%

Personal Details	
Name	Mr. Vinit Shirish Ganorkar.
Age	32 Years
Permanent Address	Amravati, Maharashtra
Work Address	WFH - Pune, Maharashtra.
Hobbies	Travelling, Listening to Music, Solving puzzles like Rubik Cube.
Marital Status	Married
Languages	English , Hindi , Marathi

Declaration:

I hereby declare that, the information furnished above is true to the best of my knowledge.

Place: Pune, Maharashtra

Mr. Vinit Ganorkar