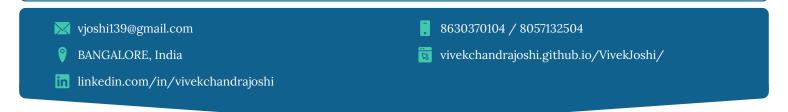


VIVEK CHANDRA JOSHI

Lead Data Professional

Professional with 9 years of experience in Machine/Deep Learning, Python Automation, and MLops. Specialized in data set development, modelling, image deep learning, natural language processing, and generative AI. Expertise in computer vision, data analysis, feature engineering, and open-source contributions. Proven track record of working with corporate and venture-backed clients. Customizing applications, software, online development, and strategic business research for increased operational efficiency and corporate success.





WORK EXPERIENCE

Lead Data Science Engineer CloudCover

04/2023 - Present

Banglore Remote

CloudCover, under ST Telemedia Cloud, is a top public cloud solutions provider in Asia-Pacific and North America, with its headquarters in Singapore.

Achievements/Tasks

- Leading the 15-person team in two verticals while contributing independently.
- AWS-based Computer Vision and Image Classification with a novel technique for localizing anomalies using custom-trained CNN with transfer learning and automated MLOps.
- Product Review Analysis LLM/GenAI GCP Generative AI (PaLM2/BERT LLM) was used to extract text insights about cosmetic products from e-commerce user reviews.
- Optimization of Boilers GCP-based ML-solution for optimizing boilers through dynamic setpoint computation with Ensemble Regression and identifying fuel anomalies with Unsupervised.
- Consulting GCP Retail On-premise to GCP Retail API for Personalized Search and Recommendations to the platform.
- ML Migration AWS SageMaker → GCP Vertex-AI Migration of Proprietary PyTorch Vision Transformer Models to GCP.
- The Naive Bayes classifier is used to detect abusive words in social media content written in English.
- DialogFlow CX was used successfully for a prominent Indian ecommerce company. To reduce operational costs, features such as Status, Cancel Order, Change Delivery Address, and Delivery Date/Time have been implemented.



Data Science

AI /ML

ML OPS

Data Lake

Visualization & Analytics

Data Warehousing

Data Governance

Design and Solutions

Data conseltent

Application & Mobile Development

Presales

Project Management



Master of Business Administration Narsee Monjee Institute of Management Studies

03/2020 - 06/2021 Mumbai

Master of Computer Application Amrapali Institute of Computer Application

08/2012 - 08/2015 Haldwani

WORK EXPERIENCE

Lead Analytics Engineer Altimetrik Client - Airbnb

08/2022 - 04/2023

Banglore Client location

Airbnb, Inc. is an American San Francisco-based company operating an online marketplace for short- and long-term homestays and experiences.

Achievements/Tasks

- worked independently and oversaw the 20-person team in three verticals.
- Analyzed data, used TextCNN, and embeddings for property recommendations, improving listings for hosts.
- Routing payment transactions to different gateway using Payment Success Rate.
- Overcame cross-currency payment challenges, boosting revenue by 20%. Implemented strategic measures, closing unsupported legacy routes and transitioning to new partners for improved payment processing efficiency.
- Successfully implemented AWS expense optimization, achieving a 40% reduction in Storage costs and a 30% reduction in Processing costs.
- Data Governance initiatives were led by me, and I conducted audits on data access, storage, and operations. Established key asset ownership tracking (DAGs, tables, dashboards, Minerva metrics). Strong retention policies were put in place to ensure proper data lifecycle management and compliance.

Technical Lead Altimetrik Client- Twitter

07/2019 - 08/2023

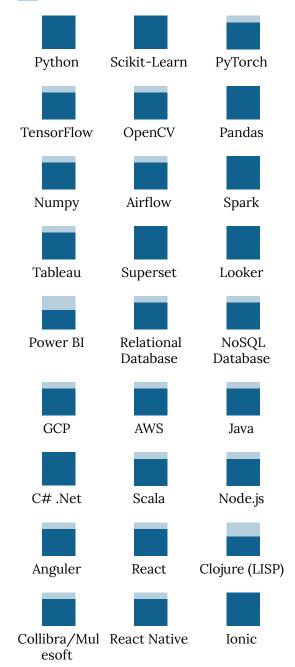
Banglore Client location

 $Former\ San\ Francisco-based\ American\ social\ media\ company\ operated$ $Twitter,\ Vine,\ and\ Periscope\ services.$

Achievements/Tasks

- Worked as an individual contributor and led the 10-member team.
- Developed a KNN ML recommendation system for the annotation system, yielding ten recommendations for the annotations dataset.
- Using comprehensive L4 descriptions and related metadata from PDP data, a classification model was implemented to predict L3 labels. The model gains the ability to make precise predictions by learning patterns from a variety of L3 and L4 labelled datasets.
- Developed a user-friendly Compliance Rule Engine and designed MuleSoft pipelines for Collibra to extract data, enforce compliance, automate metrics, define models, establish connections, work together on metadata, and maintain lineage.
- MuleSoft pipelines were created for Collibra with the following features: data extraction, compliance enforcement, automation of metrics, connection establishment, model definition, metadata collaboration, lineage maintenance, integration with external systems, and creation of an intuitive Compliance Rule Engine.







Mastering LookML: Looker's Modeling

Language

Collibra Expert: Level I

Collibra Expert: Level II

GraphQL

MongoDB for .Net Developers

WORK EXPERIENCE

Senior Software Engineer Haldor Topsoe A/S

10/2017 - 06/2019

Delhi On-site

Topsoe: Global leader in energy transition, innovating low-carbon solutions, transforming renewables into sustainable fuels and chemicals.

Achievements/Tasks

- Created a deep learning model, usually a Convolutional Neural Network (CNN), that can analyze and interpret thermal images to predict temperature values is the first step in creating an imageto-temperature conversion model. Thermal camera technology replaced Goldcup technology.
- Using real-time thermal values, reformer tube bends are reduced.
 The company sets up applications for customers, such as different
 kinds of firing in gas and oil facilities. The app, which is based on
 IIOT, gathers information from Edge and IOT devices and shares
 it with Schneider and Honeywell UOP for the processing of
 chemicals and oil. created a calculation engine that uses the
 Azure service bus to process Honeywell inputs.
- Setup ML recommendations model for increasing the Catalyst and Reformer health.
- Set up an application that uses a survey to collect client data for three or one year in order to compile performance reports for Topsoe Engineer Plant and Catalyst. Additionally, I assisted five interns in developing their skills and gave them structured instruction to guarantee they learned pertinent material.

Senior Software Associate SmartData Enterprises Inc

04/2015 - 10/2019

Mohali On-site

smartData excels in contract software development, surpassing client expectations. Serving startups and SMEs in diverse industries worldwide.

Achievements/Tasks

- Set up HIPPA compliances and EDI for the healthcare industry, as well as developed client-side architecture for the front end.
- development of cross-mobile applications with Ionic, Cordova, and Kendo UI. Camera and gallery photo uploading for Android and iOS has been implemented.
- Added a chat module to the website and mobile app for patients and doctors using Socket.io.
- Angular CLI was used to integrate the prime ng theme with Angular 2/4. Create a 20-person React and Anguler development team.
- Using IBM Watson and API.AI, create an application for sentiment analysis and virtual buddy setup.
- Setup a front-end system for the video analytics for the Synergy Sports basketball and baseball broadcast on ABC.



Sport Award

CloudCover

- On-time delivery
- OLTP and OLAP Database Migration

Team Spot Award

CloudCover

- On-time delivery of ML pipline Migration
- Data engineering pipline migration

Team Spot Award

CloudCover

- Less downtime on migration
- Less bug's and process automations

Pat on the back

CloudCover

- On-time delivery
- Customer satisfaction

Rise and Shine Award

Airbnb

- On-time delivery.
- Incresed revenue after updating the existing payment merchent and ML pipline.

GEM Award

Twitter

- On-time delivery and developed data governance inside twitter using Collibra.
- Setup auditing system and framework for datasets.

Rise and Shine Award

Twitter

- Redused the Bigquery cost by 25%
- Developed the Annotation framework. Setup recommendation system for the annotation framework

GEM Award

Haldor Topsoe A/S

- Developed the first IIOT 4.0 solution with custom visualization using highchart.
- On site delevery without single issue.
 Developed Calculation system for catalist and reformermers.



INTERESTS

Travelling to New Place

Watching Movie

Video Game

Lisning Music

Gardening

Reading New Technology