

# YASH KANTHARIA

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## EDUCATION

### Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Computer Science | GPA: 3.83

Graduated: May 2024

Relevant courses: Data Science, Deep Learning, Artificial Intelligence, Natural Language Processing

### University of Mumbai

Mumbai, India

Bachelor of Engineering (BEng) in Information Technology | CGPA: 7.62/10

June 2019

Relevant courses: Data Mining, Advanced Database Management System, Artificial Intelligence, Big Data Analytics

## WORK EXPERIENCE

### Fractal Analytics (Crux Intelligence)

Mumbai, India

Data Engineer

August 2021 – August 2022

- Implemented efficient ETL data pipelines with SCP file transfers and Azure Blob Storage using Python libraries (NumPy, Pandas, Scikit-learn), adhering to best coding practices, reducing execution time by 80%.
- Accelerated data pipeline automation with Python, SQL, and Azure Tools for periodic data extraction from a private network's Oracle database, executing complex calculations, formatting data into CSV or Parquet files, and triggering REST APIs.
- Designed sales, performance, and incentive metrics for analytical dashboards across client's hierarchical levels, driving significant user adoption and providing actionable insights for performance and progress tracking and predictive analytics.
- Conducted technical interviews and trained three team members, fostering skill growth and contributing to hiring efforts.

### CleverTap

Mumbai, India

Senior Customer Success Engineer

July 2019 – August 2021

- Resolved complex Android, Web, and iOS SDK integration queries, employing Agile principles for quicker onboarding.
- Developed Java-based Android app integrated with CleverTap SDK enabling client demos, issue replication, and team training.
- Spearheaded a proof-of-concept solution for Real-time Uninstall Tracking in Android apps in Java, implementing Firebase Analytics and CleverTap APIs for data integration and real-time data processing using cloud functions (Node.js) and REST APIs.
- Partnered with client marketing teams to analyze user behavior and campaign performance, architect multi-channel marketing campaigns, develop user segmentation strategies, and optimize campaign performance.
- Converted four potential clients into retained customers through prompt investigation and resolution of critical issues.
- Managed and mentored a team of five, enhancing skills and productivity of the team.

## TECHNICAL SKILLS

**Programming Languages:** Python, SQL, Java, C, C++, JavaScript, React

**Software Tools:** Postman, Dremio, Jupyter Notebook, Git, Android Studio, Unity, MySQL, PostgreSQL, JIRA, Splunk, Google Analytics, CleverTap, Firebase, BigQuery, Linux, Unix, Shell Script, AWS Lambda, AWS S3, AWS EC2, AWS Lambda, Putty, SCP, Webhooks, JSON, XML

**Machine Learning:** XGBoost, Random Forest, AdaBoost, SVM, Tensorflow, PyTorch, Time Series, Natural Language Processing (NLP)

**Data Engineering and Analytics:** NumPy, Pandas, Flask, BeautifulSoup, Selenium, Snowflake, Matplotlib, Tableau, Hadoop, SQL, Docker

**Artificial Intelligence:** Llama, Gemma, ChatGPT, Langchain, Word2Vec, RAG, GAN, Transformers, Prompt Engineering

**Cloud:** AWS, Azure, Google Cloud, Firebase

## PROJECTS

### Understanding Vector Representations of Words using Glove and Word2Vec

May 2024

- Analyzed word embeddings from Glove and Word2Vec to understand the semantic relationships between words in a corpus, visualizing these vectors and exploring the analogies between words using addition and subtraction of word embeddings.

### Cat vs Dog Classification with Transfer Learning

- Comparing TensorFlow (Keras) and PyTorch models with Transfer Learning (MobileNetV2) for cat vs dog image classification. Utilized TensorBoard for visualization and assessed model performance using standard metrics.

### Power Consumption Prediction and Analysis for New York using FBProphet

May 2023

- Analyzed time series data for power consumption by New York's boroughs to understand the trends and seasonality & built predictions for various timeframes in the future.

### Webscraper API

October 2020

- Built a Flask API with Selenium, BeautifulSoup, Gensim and basic authentication for capturing various meta data, icons, contact details, screenshot of the home page and summary of the website into a CSV file.

## PUBLICATION

S. Jhaveri, I. Khedkar, Y. Kantharia and S. Jaswal, "Success Prediction using Random Forest, CatBoost, XGBoost and AdaBoost for Kickstarter Campaigns," 3rd International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2019.

Link: <https://ieeexplore.ieee.org/document/8819828>