YASH KANTHARIA

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Portfolio | Linkedin | Github | Kaggle | Medium

EDUCATION

Pace University New York, NY
Master of Science in **Computer Science** | **GPA: 3.81** **Graduation: May 2024**
Relevant courses: Data Science, Deep Learning, Artificial Intelligence, Natural Language Processing

University of Mumbai Mumbai, India
Bachelor of Engineering 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 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 operational efficiency.

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. Implemented Firebase Analytics and CleverTap APIs for data integration and real-time data processing using cloud functions (Node.js) and REST APIs.
- Converted 4 potential clients churns into retained customers through prompt investigation and resolution of critical issues.
- Managed and mentored a team of 5, enhancing skills and productivity of the team.

TECHNICAL SKILLS

Programming Languages: Python, SQL, Java, C, C++, JavaScript
Software Tools: Postman, Dremio, Jupyter Notebook, GitHub, Android Studio, Unity, MySQL, PostgreSQL, JIRA, Splunk, Google Analytics, CleverTap, Firebase, Google BigQuery, Linux, Unix, Shell Script, AWS Lambda, AWS S3, AWS EC2, AWS Lambda
***Machine Learning*:** XGBoost, Random Forest, AdaBoost, SVM, Tensorflow, PyTorch, Time Series, Natural Language Processing
Data Engineering and Analytics: NumPy, Pandas, Flask, BeautifulSoup, Selenium, LangChain, Matplotlib, Tableau
Cloud: AWS, Azure, Google Cloud, Firebase

PROJECTS

Understanding Vector Representations of Words using Glove and Word2Vec

- 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.

Breast Cancer Classification

- Performed data analysis and preprocessing on UC Irvine's Breast Cancer dataset and created a Neural Network classifier with Stochastic Gradient Descent Optimizer achieving 93% validation accuracy.

Power Consumption Prediction and Analysis for New York using FBProphet

- Time series data for power consumption by New York's boroughs were analyzed to understand the trends and seasonality to build predictions for various time frames in future.

Webscrapper API

- 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.

RESEARCH PUBLICATION

Kickstarter Success Prediction using Machine Learning September 2018 - March 2019

- **Publication:** "Success Prediction using Random Forest, CatBoost, XGBoost and AdaBoost for Kickstarter Campaigns", International Conference on Computing Methodologies and Communication, 2019. *Link: https://ieeexplore.ieee.org/document/8819828*