

# YASH KANTHARIA

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## SKILLS

**Programming Skills:** Python, SQL, Java, JavaScript, C, C++, HTML, CSS, JSON | **Cloud:** Amazon Web Services, Google Cloud Platform, Azure  
**Libraries:** Pandas, NumPy, SciPy, Scikit-learn, PySpark, SQLAlchemy, BigQuery, Matplotlib, Seaborn, Plotly, Bokeh, Ggplot, Geopandas, Boto3, Statsmodels, TensorFlow, PyTorch, Airflow, Scrappy, Beautiful Soup, Requests, Selenium, StreamLit, Unsloth, Flask, Keras  
**Theoretical Knowledge:** Statistics, Calculus, Distribution, Exploratory Data Analysis, Tableau, Web Scrapping, REST APIs, Advanced Excel, Advanced SQL, Natural Language Processing, Large Language Model Fine-Tuning, ChatBot, Times Series Forecasting, Generative Models, Classification, Regression, Clustering, Android App Development, Git, PostgreSQL, Oracle SQL, Firebase, JIRA, Splunk, Google AI Studio

## WORK EXPERIENCE

- Customer Success Manager**, Data Engineer Academy New York, NY November 2024 - Present
- Onboarded new clients to the program with a customized learning journey with Data Technologies including Python, SQL, PySpark, Snowflake, AWS, Azure, and System Design to support their career aspirations.
  - Integrating Firebase and Google Analytics to improve usage tracking of the platform and identify churn risk clients early.
- Data Scientist - Advisor**, Filmy AI New York, NY October 2024 - Present
- Developing a job-to-user matching system using context vectors with Doc2Vec.
  - Implementing a Natural Language-to-SQL querying mechanism using Python to enable querying through simple Natural Language.
- Artificial Intelligence Engineer Intern**, The Showcase - Exchange IT New York, NY August 2024 - October 2024
- Fabricated an LLM-powered chatbot using Python, StreamLit, and Gemini API to assist users with career guidance and tailoring resumes.
  - Architected and managed cloud infrastructure on AWS, leveraging RDS, EC2, Lambda, S3, and IAM to deploy a scalable website.
  - Configured custom domains in DNS with SSL certificates to secure websites via HTTPS, ensuring best practices for web security.
- Data Engineer**, Fractal Analytics Mumbai, India August 2021 – August 2022
- Engineered ETL and ELT data pipelines using Python (NumPy, Pandas, Scikit-learn), PostgreSQL, SCP transfers, and Azure: Logic Apps and Blob Storage, resulting in an 80% reduction in execution time and minimizing data processing costs by 20%.
  - Automated manual process using Python scripts, AWS, Dremio, and SQL, reducing manual effort in periodic data ingestions by 90%.
  - Orchestrated analytical dashboard to monitor employee performance indicators and key sales metrics for Finance and CPG clients.
  - Formulated scalable data infrastructure solutions on AWS and Azure, reducing data redundancy and optimizing data refresh processes.
- Senior Customer Success Engineer**, CleverTap Mumbai, India July 2019 – August 2021
- Drove global customer success and ROI for enterprise client portfolio including market leaders, achieving a 97% CSAT score through campaign design, data-driven analytics, troubleshooting, debugging, and resolving 15,000+ Ad Tech queries.
  - Created a Java-based Android app integrated with the CleverTap SDK and Firebase Analytics for user data tracking, enabling client demos, issue reproduction, feature testing, and team training.
  - Collaborated with marketing teams to define campaign strategies, architect user journeys, and formulate conversion tracking metrics using tools like CleverTap, Google Analytics, and Firebase Analytics.
  - Established metrics and reports to track team performance using JIRA, ensuring adherence to KPIs and SLAs, and fostering a data-driven culture of accountability and continuous improvement within the team.
  - Facilitated as a Subject Matter Expert for Data Protection Laws (GDPR and CCPA) and Mobile Marketing channels including Push Notifications, Email, SMS, Web Push Notifications, Web Popups, Webhooks, and WhatsApp.
  - Managed and mentored a team of seven, enhancing productivity by 10% through collaboration and knowledge sharing.

## EDUCATION

- Pace University**, Seidenberg School of Computer Science and Information Systems New York, NY  
Master of Science (MS) in Computer Science | GPA: 3.83 May 2024
- University of Mumbai** Mumbai, India  
Bachelor of Engineering (BEng) in Information Technology June 2019

## PROJECTS *(More projects available on [GitHub](#))*

- Fine-tuning LLM for English-to-French Translation** | Python, Sloth, Gemma 2b, PyTorch, Seq2Seq, LORA. May 2024
- Enhanced English to French sentence translation quality using the Gemma 2b Large Language Model with Unsloth, outperforming a baseline Seq2Seq model (PyTorch).
- WebScraper API** | Python, Selenium, Flask, BeautifulSoup, HTML, DOM, Pandas. October 2020
- Built a Flask API with Selenium, BeautifulSoup, Gensim, and basic authentication for capturing metadata, icons, contact details, a screenshot of the home page, and a website summary into a CSV file.
- Real-time Uninstall Tracking for Android Applications** | Java, Firebase Analytics, Node.js, REST APIs, Android. December 2019
- Integrated a Java-based Android app with CleverTap and Firebase Analytics SDK for real-time uninstall tracking, achieving near 100% accuracy and eliminating reliance on unreliable silent push notifications.

## PUBLICATION

- Success Prediction using Random Forest, CatBoost, XGBoost, and AdaBoost for Kickstarter Campaigns August 2019  
Link: <https://ieeexplore.ieee.org/document/8819828>