AKASH GANGADHARAN

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EDUCATION

Indiana University Bloomington, **Indiana, United States**   *August 2022 - May 2024*
Master of Science in Data Science   **GPA 3.52/4.0**
[Statistics, Applied Algorithms, Applied Machine Learning, RDBMS, Data and Analysis, Product Management]

University of Pune, India   *June 2013 - May 2017*
Bachelor of Engineering in Mechanical Engineering (**First class with Distinction**)   **GPA 3.3/4.0**

SKILLS

Business Intelligence and Visualization Tools: SQL, MS Excel, Tableau, Power BI, Data Modeling, Teradata
Programming languages & ETL Frameworks: Python, Spark, GitHub, CI/CD, Apache Airflow
Cloud Infrastructures: AWS (S3, Athena, Glue, EMR, Redshift), GCP (BigQuery, Cloud Storage, Composer, Compute Engine)
Certifications: Google Cloud Professional Data Engineer, Google Cloud Professional Machine Learning Engineer, Microsoft Azure Data Scientist Associate, Apache Airflow fundamentals and DAG authoring

WORK EXPERIENCE

Microsoft Ambassador at Indiana University Technology Services, US   *October 2023 – December 2023*
- Hosted more than 50+ tabling sessions to educate students about the benefits of Microsoft products and other applications

Teaching Assistant at IU School of Public health, US   *August 2023 - December 2023*
- Provided feedback, guidance and graded over 60+ students as TA for Personal Leadership Development course

Big Data Engineer Intern at Rocket Companies, US   *May 2023 - August 2023*
- Built scalable ETL pipeline processing of 10M+ user records using PySpark and AWS Glue from raw to transformed state
- Streamlined data validation process in ETL pipeline, thereby reducing the data load failures by 40%
- Partnered cross-functionally with MLOps team and designed data architecture to integrate Health Analytics Report in the Rocket Money app

Data Engineer at KPMG, India   *May 2021 - July 2022*
- Led the migration of Oracle SQL scripts to BigQuery, efficiently orchestrating data loading and achieving project completion 15 days ahead of schedule.
- Transformed 15+ financial reports by automating end-to-end data pipelines in SSIS, cutting delivery time from 2 days to 5 minutes, enabling Excel exports, and automating stakeholder notifications.
- Streamlined data validation on GCP cloud storage by developing a Python script for row count analysis, reducing processing time from 1 hour to 5 minutes thereby improving the efficiency of data validation task by 70%.

Business Intelligence Developer at Vodafone, India   *August 2018 - May 2021*
- Generated revenue of more than 1M £ by delivering Cross-sell, Up-sell, & Retention campaigns with Marketing team
- Saved 500k £ for UK Business by designing SOHO churn analysis, and Revenue drop analysis for the marketing team
- Identified and implemented automation using python for daily customer usage reports, improving efficiency by 95%
- Automated 50+ campaign deliveries using python, thereby saving 5 days on each campaign delivery

PROJECTS

YouTube Data Engineering and Analysis using AWS | Skills: *AWS Glue, AWS S3, AWS Athena, PySpark.*
- Designed an end to end ETL Data pipeline in AWS for YouTube Data analysis and visualizing in AWS QuickSight [Link].

Uber Data analysis pipeline using GCP | Skills: *Python, Data Extraction, Data transformation, GCP, Mage AI, Looker*
- Built an end to end ETL Data pipeline using GCP and Mage AI for Uber Dataset and visualizing in Looker Studio.

Home Credit Default Risk Analysis | Skills: *Python, Machine learning pipeline, ETL, Data Visualization.*
- Improved the accuracy from 85% to 92% using ensemble methods in an end-to-end machine learning pipeline to detect whether the customer will default on the home loan. [Link]