

AKASH GANGADHARAN

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EDUCATION

INDIANA UNIVERSITY BLOOMINGTON

Master of Science in Data Science; GPA 3.52/4.0

Bloomington, US

August 2022 - May 2024

UNIVERSITY OF PUNE

Bachelor of Engineering in Mechanical Engineering, GPA 3.3/4.0

Pune, IN

June 2013 - May 2017

EXPERIENCE

UNIVERSITY INFORMATION TECHNOLOGY SERVICES

Bloomington, US

Microsoft Ambassador

October 2023 - December 2023

- Led 50+ workshops on Microsoft Azure and Office 365, enhancing cloud computing skills among students and faculty, and promoting the adoption of cloud-based solutions.
- Utilized Microsoft forms and Power BI to analyze event participation, driving data-informed decisions resulting in a 2x increase in student adoption of Microsoft technologies.

ROCKET COMPANIES

Detroit, US

Data Engineer Intern

May 2023 - August 2023

- Built scalable ETL pipeline for Change Data Capture (CDC) by processing 10M+ user records using PySpark & 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.

KPMG

Pune, IN

Data Engineer

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 tasks by 70%.

VODAFONE

Pune, IN

Business Intelligence Developer

August 2018 - May 2021

- Generated revenue of more than 1M £ by delivering Cross-sell, Up-sell, & Retention campaigns with Marketing team.
- Automated weekly SQL updates with Python after a critical database error, enhancing accuracy and efficiency by 50%.
- Streamlined data processing by automating SQL and Salesforce integration, cutting task time from 5 days to 30 minutes and boosting campaign efficiency.

SKILLS

Business Intelligence and Visualization Tools: SQL, MS Excel, Tableau, Power BI, Data Modeling, Teradata, DBT.

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.

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.

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.