

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

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.

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.

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.