

Apoorv Pratap Dhaygude

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Education

Northeastern University

Boston, MA

Master of Science in Information Systems

expected May 2025

Coursework: Database Management and Database Design, Designing Advanced Data Architectures for Business Intelligence, Data Science Methods and Tools, Application Engineering and Development

Savitribai Phule Pune University

Pune, India

Bachelor of Engineering in Computer Science Engineering

Jul 2021

Coursework: Data Structures and Algorithms, Database Management System, Information Systems and Engineering Economics, Software Modeling, Data Analytics for Finance, Data Mining and Warehousing, Cloud Computing

Technical Skills

Languages: Python, Java, Linux/Shell Scripting, SQL

Cloud Technologies: Google Cloud Platform (GCP), Microsoft Azure, Amazon Web Services (AWS)

Databases: BigQuery, Relational Database, SQL Server, PostgreSQL, Neo4j

Tools: PowerBI, Tableau, Looker Studio, Pub/Sub, Dataflow, Apache Airflow, Apache Spark, GitLab

Certifications: Google Cloud Certified Associate Cloud Engineer, Microsoft Azure Fundamentals

Professional Experience

Assistant System Engineer

Aug 2021 – Jun 2023

Tata Consultancy Services

Pune, India

- Analyzed customer data in Google BigQuery for data management, powering dynamic Looker Studio dashboards to presenting quantitative analysis, resulting in an 25% boost in client acquisitions
- Enhanced data warehouse performance through partitioning tables, clustering data, and utilizing materialized views, resulting in a 20% reduction in query execution time and a 45% decrease in operational costs
- Proficiently engineered ETL pipelines in GitLab for secure on-premise data transfer to cloud via DMZ server, fortifying internal network security, resulting in a 20% decrease in potential security risks
- Architected and implemented a robust end-to-end data ingestion framework leveraging Apache Airflow, Dataflow and Dynamic DAGs, which slashed manual work by 75% and facilitated smooth scaling across servers
- Collaborated in cross-functional partnerships with 5+ delivery teams in Solution and Software Engineering to develop frameworks, integrating business strategy, engaging stakeholders, and simplifying aid decision-making
- Engineered problem-solving solutions to address ad hoc client problems and coded automation scripts, meticulously documenting in wiki confluence processes and outcomes within Agile Scrum ceremonies

Academic Projects

Food Inspection | Alteryx, Dimensional Modelling, Talend, ETL/ELT

Jan 2024 – Feb 2024

- Employed Alteryx for precise data profiling and Talend for seamless integration, ensuring data cleansing, transformation, and manipulation, achieving a 60% reduction in data processing time
- Designed a dimensional model comprising 6 dimensions and 2 facts, tailored to meet exacting business requirements, and visualized the insights through PowerBI DAX calculations and Tableau

Airport Management System | Docker, SQL, Azure Data Studio

Oct 2023 – Dec 2023

- Led the comprehensive development of an Airport Management System database, comprising 11 entities, leveraging advanced SQL techniques such as aggregate functions and joins to optimize data retrieval efficiency
- Utilized PowerBI to craft insightful 7+ visualizations based on views, enriching data interpretation capabilities

Supermarket Sales Performance | Business Intelligence, Tableau, Power BI

Sep 2023 – Nov 2023

- Conducted sales performance dashboard in Tableau and PowerBI for Walmart by understanding business requirements, analyzing sales data across 100+ stores and performing descriptive statistics for sales prediction
- Enabled real-time tracking of sales analytics, leading to a 60% accuracy in predicting the sales for high and low-performing products and stores using multivariable linear regression algorithm

Loan Application System | AWS, Elastic Compute Cloud(EC2), RDS, OwnCloud

Oct 2020 – Dec 2020

- Proficiently enhanced operational efficiency by streamlining database connections via AWS RDS, attaining a remarkable uptime of 95% and concurrently reducing data retrieval latency by 30%
- Orchestrated AWS EC2 deployment, achieving a notable 40% reduction in deployment time while ensuring uninterrupted application availability at 100%