

Akhil Ahmed Sareshwala

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Education

B. Tech in Computer Engineering

CGPA 8.35

Lok Jagruti University

2022 – 2026

High School

GPA: 7.8

Saint Kabir School

2020-2022

Technical Skills

Python Libraries & Frameworks: Flask (Web development), Pandas (Data manipulation & analysis), NumPy (Numerical computing), Matplotlib & Seaborn (Data visualization), Scikit-learn (Machine learning basics), BeautifulSoup (Web scraping), SQLAlchemy (Database ORM)

Tools & Platforms: Google Colab, Jupyter Notebook, Power BI (Data visualization & interactive dashboards)

Databases: PostgreSQL, SQLAlchemy (Advanced proficiency in writing complex queries, GROUP BY, JOINs, and window functions)

Other Skills: Data Storytelling and Data Visualization with Python libraries, Machine Learning Basics (Supervised & Unsupervised learning models), Excel (Pivot Tables, Power Query for data manipulation)

Projects

EDA and Feature Engineering of Google Play Store Dataset

- Conducted EDA and feature engineering on a dataset with 10,841 apps and 20 features.
- Cleaned data by handling missing values, converting data types, and removing duplicates for consistency.
- Visualized numerical and categorical trends using Pandas, Matplotlib, and Seaborn to identify key patterns.
- Prepared insights by managing outliers, analyzing installations, and optimizing app features for better understanding.

Text Summarization Project

- Text Summarization System: Designing a system to shorten texts while preserving key information.
- Deep Learning Models: Implementing extractive and abstractive summarization with Hugging Face Transformers, NLTK, and SpaCy.
- CI/CD and AWS Deployment: Automating testing, building, and deployment on AWS for scalability and optimization.

Data-Driven Book Recommendation Engine(In Progress)

- Designing a recommendation system to suggest books based on user preferences and behavior.
- Applying machine learning algorithms like collaborative filtering and content-based filtering for recommendations.
- Leveraging data analysis techniques to understand book trends, ratings, and user feedback.
- Utilizing Python libraries like Pandas, NumPy, and Scikit-learn for data processing and model implementation.

Key Certifications

Exploratory Data Analysis for Machine Learning:

- IBM, Coursera – August 2024
- Grade: 82.50%
- Skills: Artificial Intelligence (AI), Machine Learning, Feature Engineering, Exploratory Data Analysis

Python for Machine Learning & Data Science Masterclass:

- Pursuing comprehensive training in data analysis, visualization, and machine learning techniques.
- Developing real-world projects with Python libraries like NumPy, Pandas, and Scikit-learn.
- Acquiring skills in supervised and unsupervised machine learning models and deployment workflows.

Quantium - Data Analytics Job Simulation – Forage (Dec 2024)

- Completed a job simulation focused on Data Analytics and Commercial Insights for the data science team.
- Developed expertise in data preparation and customer analytics, utilizing transaction datasets to extract insights.
- Conducted uplift testing on store layouts and delivered data-driven commercial recommendations.
- Created reports to facilitate informed decisions for the Category Manager.