

Akshay Thampan

Data Engineer

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CAREER OBJECTIVE

Highly motivated Data Engineer with a strong foundation in programming languages such as Python, Java, and C++. Seeking a challenging role in Data Science to leverage my analytical and problem-solving skills for developing innovative solutions to real-world problems. Committed to continuous learning and making a significant impact in the field of data analysis, machine learning, and artificial intelligence

TRAINING AND CERTIFICATE

Data Visualisation: Empowering Business with Effective Insights

Aug 2023 – Sep 2023

Tata

- Led data analysis initiatives for diverse datasets, focusing on Key Performance Indicators (KPIs) and industry trends (metrics).
- Engineered structured data models to enhance data connections and relationships.
- Collaborated closely with clients to define project requirements, conducted thorough data cleansing (monitoring), and delivered comprehensive content analysis (business analysis).
- Proficient in tools including Power BI, Tableau, Statistical Analysis, Microsoft Office, Machine Learning, SQL Server, Python, R, and Data Cleaning/Transformation.

Data Analytics and Visualisation Programme Participant

Aug 2023 – Aug 2023

Accenture

- Pioneered the development and execution of a holistic data analysis strategy for diverse datasets, with a primary focus on KPIs and industry trends (metrics).
- Established a robust data model to facilitate meaningful data connections and relationships within a scalable relational database.
- Collaborated extensively with clients, conducted rigorous data cleansing (monitoring), and delivered comprehensive content performance analysis (business analysis) to stakeholders, emphasizing effective communication and collaboration.
- Leveraged PowerPoint to craft dynamic data visualizations (business intelligence), optimizing their use within an integrated application pipeline.

Data Science Virtual Experience Programme

Jul 2023 – Jul 2023

British Airways

- Acquired extensive review data using advanced web scraping techniques, with a specific emphasis on airline-specific feedback and innovative product insights (solutions).
- Executed a thorough data cleansing process (monitoring), applied advanced techniques such as topic modeling and sentiment analysis, and expertly trained a RandomForest machine learning model to forecast customer bookings (analysis).
- Conducted detailed assessments (metrics) and visually represented variable contributions, thereby generating actionable insights for decision-making (business analysis) and effectively propelling growth initiatives (leadership), with a keen eye on optimization.

PROJECTS

Movie Data Analysis Application

Aug 2023 – Sep 2023

Developed a Python application for in-depth analysis of movie data using Pandas and Python.

- Conducted comprehensive data preprocessing, feature selection, and exploration.
- Performed correlation analysis and visualized insights using heatmaps.
- Implemented Scikit-learn's SelectKBest for director success prediction based on IMDb ratings.

SQL Data Analysis Tool for Apple Store Data

Jul 2023 – Aug 2023

Created a software tool for in-depth analysis and visualization of the Apple Store dataset using SQL

- Conducted data manipulation, exploration, and visualization through SQL queries.
- Executed various SQL queries for row count checks, NULL value identification, genre analysis, and price/user rating distribution exploration.

Parkways - Smart Parking System

Sep 2022 – Apr 2023

Designed and developed a smart parking solution using computer vision.

- Implemented a deep neural network for the accurate detection and classification of cars in parking lot images.
- Utilized computer vision and image processing to monitor available parking spaces using camera images from parking lots.

EDUCATION

Computer science and engineering

Jul 2019 – Jul 2023

APJ Abdul Kalam Technological University

Palakkad, India

CGPA: 7.36

Senior School Certificate Examination

Jun 2016 – Jul 2018

Arafa English Medium School, Attur

COURSES

Self-Paced Data Scientist Training and Project Completion Certificates

Jun 2023 – Jul 2023

Devtown

- Proficient in data cleaning and manipulation using Python libraries like Pandas and Matplotlib.
- Strong data visualization skills with Power BI, Tableau, and SQL for efficient querying.
- Enthusiastic learner with a foundation in advanced statistical techniques and impactful visualizations.
- Proficiency in data cleaning, transformation, and visualization for meaningful insights from diverse datasets.

Fundamentals Of Digital Marketing Course

Feb 2022 – Apr 2022

Google

- Completed Google's 'Fundamentals of Digital Marketing' course, gaining expertise in online advertising, web analytics, and data-driven marketing strategies.
- Acquired essential skills for data analysis, marketing insights, customer engagement, and Google Analytics that align with the requirements of a data analyst role.

SKILLS

Data Visualization Tools: Power BI, Tableau	Database Management: SQL Server, Mongo DB
Statistical Analysis: Regression Analysis, Hypothesis Testing, A/B Testing	Programming Languages: Python, Java, C , C++, HTML5, SQL, JavaScript
Microsoft Office Suite: Excel, PowerPoint	Data Cleaning: Data Manipulation, Data Transformation
Machine Learning: Decision Trees, Random Forest	Relevant Courses: OOPS , DBMS , Data Structure
Machine Learning Frameworks: scikit-learn, TensorFlow, PyTorch, Keras	Enthusiasm for learning and a strong desire to build a career in AI/ML.
Effective communication skills to collaborate with key stakeholders	Strong analytical and problem-solving skills with the ability to apply judgment

PUBLICATIONS

Parkways

07 May 2023

International Research Journal of Modernization in Engineering Technology and Science

LANGUAGES

English	● ● ● ● ●	Malayalam	● ● ● ● ●
Hindi	● ● ● ● ●	Tamil	● ● ● ● ●

INTERESTS

Travelling | Fitness | Nutrition | Self Improvement