

LALCHAND AK

Data Analyst

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LinkedIn | GitHub

SUMMARY

Passionate and detail-driven data analyst with proven skills in Excel, Power BI, MySQL, Python and Machine Learning specializing in data cleaning, transformation, and visualization. Experienced in developing interactive dashboards, KPI tracking systems, and insight reports that enable data-driven decision-making. Adept at applying statistical analysis, trend forecasting, and data storytelling to simplify complex datasets and communicate actionable insights to stakeholders. Eager to leverage analytical expertise and business acumen to drive performance improvements and operational efficiency.

CERTIFICATION

Certification in Data Science & Machine Learning - Illinois Tech, US

Feb – Oct 2025

Certification in Data Science & Machine Learning - Entri Elevate

- Covered data analysis, visualization, statistical modelling, supervised & unsupervised ML, and end-to-end project development.
- Completed practical modules in Python, data preprocessing, exploratory analysis, feature engineering, model building, and real-world ML projects.

PROJECTS

Flight Fare Predictor Using Machine Learning [Project Link]

- Developed a machine learning model to predict airline ticket prices based on travel details such as airline, duration, and number of stops.
- Cleaned and preprocessed large flight datasets, handling categorical and numerical features efficiently.
- Implemented regression algorithms (Linear Regression, Random Forest) and evaluated model performance using RMSE and R² metrics.

Marketing Campaign Performance Insights Using Python [Project Link]

- Utilized Python for data cleaning, analysis, and visualization to evaluate marketing campaign effectiveness.
- Derived key insights on customer engagement and campaign performance using Pandas, NumPy, and Matplotlib.

Power BI Based Bank Loan Performance Analysis [Dashboard Link]

- Designed an interactive Power BI dashboard to track loan approval rates, default patterns, and customer segments.
- Utilized Power Query and DAX to clean data, build KPIs, and generate insights for data-driven lending decisions.

SKILLS

- **Data Visualization Tools:** Power BI, Microsoft Excel (Pivot Tables, Power Query, Dashboarding)
- **Databases & Querying:** MySQL, SQL (Joins, Aggregations, Subqueries, Views)
- **Programming & Analytics:** Python (NumPy, Pandas, Matplotlib, Seaborn), Data Modeling, Predictive Analytics
- **Reporting & Insights:** KPI Analysis, Data Storytelling, Business Intelligence, Report Automation
- **Statistics & Data Processing:** Data Cleaning, Transformation, Statistical Analysis, Forecasting
- **Soft Skills:** Problem Solving, Communication, Leadership, Adaptability, Collaboration, Time Management

Experience

Data Science Intern - Cognifyz Technologies

Jul 2025 -Aug 2025

- Cleaned and analyzed datasets to support predictive modeling and business insights.
- Built dashboards and visualizations to track key performance metrics.
- Automated data workflows and improved reporting efficiency.

Electrical Maintenance - Government Rajaji Hospital

Jul 2021 - Present

- Performed preventive and corrective maintenance for hospital electrical systems.

Accountant- Sri Ram Nallamani Blue Metal

Jan 2019– Apr 2021

- Managed daily accounting operations and ledger maintenance using Tally ERP.

EDUCATION