

AKHIL KAUNDINYA METLAKUNTA

Boston, MA | +1(857)-318-7201 | metlakunta.a@northeastern.edu | [LinkedIn](#) | [GitHub](#)

EDUCATION

Northeastern University, Boston, MA

Sep 2021- Dec 2023

Master of Science in Information Systems

Relevant Courses: Design of Advance Database Architecture, Warehousing and Business Intelligence, Data Management and Database Design, Data Science Engineering Tools and Methods, Advance Data Science, Business Analytics, Agile Methodology, Product Management

Chaitanya Bharati Institute of Technology, India

Aug 2016-Nov 2020

Bachelor of Engineering in Mechanical Engineering

Relevant Courses: Object Oriented Programming language, Statistics and probability, Quality Assurance

TECHNICAL SKILLS

Programming /Query Language: Python, SQL (MySQL, PostgreSQL, MSSQL, SSMS, oracle), R (RStudio)
Data Modelling and Integration: ER / Studio, Alteryx Designer (Profiling, ETL), Talend Studio (SCDs, ETL), DBever, SSIS
Data Visualization Tools: MS Power BI (DAX, Power Query, Measures, Transformations, M code), Tableau, Looker
Machine Learning / Data Analysis: Numpy, Pandas, Matplotlib, Seaborn, TensorFlow, Keras, OpenCV, Scipy, Scikit-learn, PyTorch
Microsoft Office Suite: Word, Advanced Excel (Lookup, Pivot table, VBA), PowerPoint, Microsoft Access
Other software/Tools: Git, AWS (S3, EC2), VS Code, GCP(BigQuery), Azure, Jira, Visio, SSIS

WORK EXPERIENCE

Abecedarian LLC, Boston, MA

Mar 2024- Current

Data Analyst

- Lead a project to determine the student enrollment across all US universities which assisted in development of a customized job portal
- Developed enrollment data model, ETL using python scripts and pipelines, thereby improving database transactions by 30%
- Increased data quality by 20% by implementing self-defined data profiling and data pre-processing methodologies
- Forecasted enrollment trends across universities by utilizing Machine Learning models in Python, achieving an 85% accuracy rate
- Developed interactive PowerBI dashboards, empowering stakeholders with insightful visualizations for informed decision-making

RaySecur, Inc, Westwood, MA

Aug 2022-Jan 2023

Data Processing Specialist

- Spearheaded acquisition, modeling, and analysis of terahertz data for data-driven computations and Machine Learning systems
- Implemented statistical models and predictive data analytical techniques on terahertz data, enhance training data, thereby achieving a 35% increase in accuracy for overall model performance
- Engineered and optimized scalable data pipelines, facilitating efficient data extraction, data transformation, and loading of diverse data sources into cloud, resulting in a 40% reduction in processing time
- Designed comprehensive Threat Intelligence and Incident Response Dashboards to analyze large-scale data, refine ML models, and monitor KPIs
- Collaborated with cross-functional teams, delivering tailored data-driven solutions and ensuring seamless communication and execution

National Informatics Centre, Hyderabad, India

Jan 2021-Aug 2021

Data Analyst

- Ensured data accuracy and integrity for more than 1.2 billion records through comprehensive data cleaning and preprocessing
- Performed state-wise descriptive analysis of drawn and non-drawn cards, highest and lowest distribution, and consumption rates
- Implemented SQL queries, stored procedures, and views for seamless end to end data extraction, transformation, and reporting
- Leveraged Python to perform predictive analysis and forecasting food grain allotments for future needs and sustainable innovation
- Tracked G2G, G2C, and C2C requirements by generating insightful and innovative data visualizations and reports using PowerBI

BYJU's, Hyderabad, India

Sep 2020-Jan 2021

Associate Marketing Analyst

- Analyzed market trends, business strategies, and ad-hoc requests, creating reports to drive process improvement metrics
- Employed SQL and MS Excel to analyze and enhance data quality by 80%, driving actionable insights and elevating team goals
- Identified growth opportunities, scope and problems, recommended plans, and collaborated with partners, yielding a 75% sales boost

ACADEMIC PROJECTS

New York City Motor Vehicle Collision (SQL, Alteryx, Talend, PowerBi, ER/Studio, Tableau, ETL, quantitative analysis)

Apr 2023-May 2023

- Extracted 92 million collision data points from diverse sources, performed data profiling and data pre-processing
- Implemented a star schema dimensional data model to enhance query performance for data analysis
- Transformed and loaded the processed data into the dimensions and fact table enabling comprehensive analysis and efficient querying
- Developed interactive dashboards to enhance NYC traffic safety for end users by identifying KPIs

Iowa Liquor Sales (SQL, Alteryx, Talend, PowerBI, Python, Tableau, ER/studio)

Mar 2023-Apr 2023

- Reduced data processing time by 25% through comprehensive data profiling on 80 million records using Alteryx, Talend, and SQL.
- Streamlined operations by implementing a responsive dimensional model using ER/Studio, enhancing operational efficiency by 35%
- Integrated data from diverse sources into dimensional and fact tables using Talend, facilitating comprehensive data analysis
- Provided actionable insights for strategic decision-making by leveraging PowerBI and Tableau to visualize and analyze sales trends

CERTIFICATION

- [Microsoft Certified: Power BI Data Analyst Associate- PL-300](#)