

MADANKUMAR BUDIDAPALLI

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PROFESSIONAL EXPERIENCE

Assetmantle

Data Application Engineer

Bangalore, India

Feb 2025 – Present

- Created complex **SQL** queries by reverse-engineering business logic by analyzing **1000+ tables** and existing T-SQL stored procedures from Highrise ERP and generated custom SQL-based reports.
- Built and deployed **10+ Power BI dashboards** that translated complex real estate data into clear visualizations, driving a **50% increase** in data-informed decision-making.
- Architected a **ETL pipeline** (Cloud Storage, Cloud SQL) that powered a new front-end application, cutting **manual reporting efforts by over 70%** and migrating clients from Excel.
- Developed **Python** scripts for Cloud Run jobs to fetch employee data from Zoho People API, processing thousands of records daily with automated **BigQuery** storage for real-time employee analytics.

Scaletrix.ai

Data Analyst Intern

Remote, India

Aug 2024 – Jan 2025

- Analyzed retail and e-commerce data by preparing custom **SQL** queries and stored procedures for data transformation, improving data accessibility for 10+ types of analyses.
- Led a cross-functional team of 5 to improve data consistency, resolving over 90% of identified discrepancies using **SQL** and **Excel** to enhance reporting accuracy and strategic decision-making.
- Built **Power BI** interactive dashboards using **DAX** to track **KPIs** and deliver actionable insights to stakeholders.

EDUCATION

Sri Venkateswara Engineering College – 8.65/10

Bachelor of Technology in Computer Science and Engineering

Tirupati

2020 - 2024

PROJECTS

Automating Data Science Workflows using Gen AI([Link](#))

- Automated an end-to-end MLOps pipeline using Google Cloud's Vertex AI AutoML to build, train, and deploy a regression model with a live REST API endpoint.
- Automated Exploratory Data Analysis (EDA) in Julius.ai, generating a comprehensive HTML report with statistics, correlation heatmaps, and data cleaning suggestions.
- Automated creation of 10+ interactive dashboards with Claude AI, delivering diverse key visualizations.

Machine Learning for Bulldozer Price Prediction([Link](#))

- Developed a time-series regression model using Scikit-Learn, achieving a validation **R² score of 88.1%**.
- Preprocessed a dataset of over 4lakh+ records by engineering 5+ temporal features from date columns using **Pandas** capture time-based patterns in the data.
- Optimized model performance by tuning hyperparameters using **RandomizedSearchCV** and analyzed and visualized feature importances to interpret model predictions using **Matplotlib**.

AI powered Portfolio([Link](#))

- Developed a modern, **AI-powered** interactive portfolio website featuring real time AI chat that dynamically responds to project, skill, and experience queries, enhanced with responsive design.

SKILLS

- Languages:** SQL, Python (Numpy, Pandas, Matplotlib, Scikit-learn), Java, HTML, CSS
- Databases/Cloud:** SQL Server, Google Cloud, BigQuery, Cloud SQL
- Developer Tools:** Power BI(DAX), Excel, GitHub, Azure Data Studio, Cursor, Postman
- Other:** ETL Pipelines, Data Cleaning and dashboarding.