

SHASHI KUMAR MALOTHU

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[LinkedIn](#)

Professional Summary

Results-driven **Financial and Business Analyst** with hands-on expertise in **financial reporting, forecasting, KPI tracking, and data automation**. Skilled at turning data into **actionable insights** using **Excel, SQL, Tableau, and Python**. Delivered impact through **dashboards, predictive models, and cost analysis** in a finance-focused analyst role. Pursuing a Master's in **IT Management (STEM)**, graduating **August, 2025**. **OPT eligible** and ready for full-time roles in **finance and analytics**.

Education

Belhaven University

Master's degree in Information Technology and Management

Jan 2024 – Aug 2025

United States

National Institute of Technology

Bachelor of Technology in Electrical and Electronics Engineering

Aug 2019 – May 2023

India

Technical Skills

Programming & Databases: Python, R, SQL, SAS | MySQL, PostgreSQL, Oracle, MongoDB

Visualization & Reporting: Tableau, Power BI, Excel (Pivots, VLOOKUP, Macros, VBA), AWS QuickSight

ETL, Modeling & Forecasting: Apache Airflow, Talend, Informatica | Data Warehousing, Predictive Modeling, Time Series Forecasting

Cloud & Tools: AWS (S3, Glue, Redshift), GCP (BigQuery), Azure | Git, JIRA, Flask, Agile, SDLC

Finance & ERP: Financial Analysis, Budgeting, KPI & Cost Tracking | SAP, A/B Testing, Variance Analysis

Professional Strengths: Strategic Thinking, Time Management, Communication, Collaboration, Leadership

Work Experience

Sai Balaji Enterprises

Financial Analyst

Jan 2023 – Jan 2024

India

- Automated monthly financial reports using Excel & SQL, reducing delivery time by 40% and boosting data accuracy.
- Designed KPI dashboards in Power BI to monitor revenue, expense efficiency, and margin trends.
- Built dynamic forecasting models for quarterly planning, improving cash flow precision and strategic decision-making.
- Performed vendor cost-benefit analysis, achieving a 12% reduction in procurement spend within two quarters.

Certifications

- Google Data Analytics (GOOGLE)
- Python for Data Science (NPTEL)
- Hybrid Electric Vehicle (1Stop.ai)
- TCS iON Career Edge - Young Professional (Tata Consultancy Services)

Academic Projects

Washington Trails & Trekking Finder

Oct 2024 - Jan 2025

Technologies: Python (Pandas, BeautifulSoup), SQL, Apache Spark, Tableau

- Developed a real-time trail recommendation system by integrating OpenWeatherMap API with public trail data, enabling dynamic filtering based on weather conditions.
- Built a scalable ETL pipeline using Python, SQL, and Apache Spark, reducing data processing time by 60%.
- Developed an interactive Tableau dashboard with smart filters, enhancing user accessibility and engagement by 50%.

Mood-Based Music Recommender

Sep 2023 - Dec 2023

Technologies: Natural Language Processing, SQL, Apache Spark, Apache Airflow

- Built a content-based recommendation engine using mood, genre, and tempo, enabling mood-aligned song suggestions.
- Processed 10,000+ songs, stored in SQL, and integrated sentiment analysis to improve mood detection.
- Utilized Apache Spark for ETL pipeline and Apache Airflow for automation, boosting efficiency by 30%.

Solar-Powered Drone

Jan 2023 - May 2023

Technologies: Python, Predictive Modeling

- Developed a solar-powered drone, optimizing energy usage to extend flight time by 15%.
- Built predictive models for battery consumption, improving efficiency by 18% with a solar energy tracking system.
- Enhanced drone autonomy with AI-powered navigation for dynamic path optimization and efficient solar energy usage.

Hybrid Electric Vehicle Analysis

Jun 2021 - Aug 2021

Technologies: Data Analysis, Battery Performance Modeling

- Analyzed Hybrid Electric Vehicle (HEV) performance to optimize energy usage, improving battery performance by 15%.
- Developed predictive models to forecast battery degradation, extending battery life by 10%.
- Implemented real-time battery monitoring, optimizing energy consumption and reducing power loss during operation.