

Mahadevu M P

Engineer · Innovator · Problem-Solver — Crafting Smart Solutions with Code & Data

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SUMMARY

Focused on data analytics, software development, and ML-driven insights, with a published research background in IoT-based monitoring and machine learning. Comfortable across the stack — from SQL and Power BI dashboards to cloud data pipelines (AWS, Snowflake, dbt) and AI-assisted application development. Motto: "Code smart. Analyze deeper. Automate better."

SKILLS

Programming	Python, Java, C
Database	SQL, MySQL, MongoDB
Data	Data Analysis, Data Cleaning, ETL, Data Visualization
BI & Analytics	Power BI, DAX, Power Pivot, Advanced Excel
Data Engineering	AWS, Snowflake, dbt, ETL Pipelines
Automation	UiPath, RPA
AI / ML	Machine Learning, LSTM, AI-assisted Development
Tools	Git, GitHub, VS Code, Jupyter

PUBLISHED RESEARCH

Enhancing Water Management in Buildings Through IoT-Based Monitoring and Machine Learning Powered Analytics

The Asian Review of Civil Engineering, 14(1), 37–42 · Published April 2025 · DOI: 10.70112/tarce-2025.14.1.4261

IoT sensors monitor building water usage in real time; an LSTM-based model flags anomalies in consumption patterns for early leak/fault detection. Keywords: IoT, Water Management, Machine Learning, LSTM, Anomaly Detection.

SELECTED PROJECTS

Bhagavad Gita — Reader App

github.com/Devputta/bhagavad-gita · bhagavad-gita-pelk.onrender.com

18-chapter, 700-verse reader (Sanskrit + transliteration + Kannada/Hindi/English) built largely through AI-assisted "vibe coding." Deployed on Render via a Blueprint config.

Docent (Doset) — AI Document Assistant

github.com/Devputta/Doset · doset-frontend.onrender.com

RAG-based document Q&A app (Next.js + FastAPI + LangChain + ChromaDB) with cited, grounded answers, JWT/Google OAuth, streaming chat, and a Dockerized deployment.

Airbnb Data Engineering Pipeline

github.com/Devputta/DE_PROJECT---AWS---SNOWFLAKE---DBT

End-to-end pipeline (AWS S3 → Snowflake → dbt) using Medallion Architecture (Bronze/Silver/Gold), incremental loading, and SCD Type 2 snapshots.

SQL + Power BI Sales Dashboard

github.com/Devputta/SQL-connect-PBI

Connected MySQL to Power BI with DAX measures to track \$1.87M in sales, 112K boxes sold, and a 9% low-box shipment ratio.

CERTIFICATIONS & TRAININGS

SQL (Basic) — HackerRank · Python Programming — NPTEL · Cloud Computing — NPTEL · Internet of Things — NPTEL · Cyber Security Fundamentals — Zscaler / Eduskills · Networking Virtual Internship — Eduskills · Associate Intern — RPA & Intelligent Automation · Data Analysis Internship · English, Level 1–3 — Laquill

EDUCATION

[Add degree, institution name, and years attended — this section is empty because I don't have verified education details to include.]

EXPERIENCE

[Add employer name(s), title(s), and dates — this section is empty because I don't have verified work history to include.]