

KAUSHIK N D

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SUMMARY

Data Engineer with 3+ years building scalable data solutions, ETL pipelines, and APIs. Achieved 40% ETL efficiency improvement and 25% accuracy enhancement. Expert in Azure PostgreSQL, Python, Apache Airflow, SAP BODS, Node.js, Power BI. 10+ years cumulative experience across data engineering, research, and academia. Passionate about AI automation and intelligent data ecosystems.

TECHNICAL SKILLS

Languages: SQL, Python (Pandas, NumPy, Matplotlib), JavaScript
Databases: Azure PostgreSQL
Data Engineering: Apache Airflow, SAP BODS, ETL, Data Warehousing
Development: Node.js, FastAPI, Streamlit, REST APIs
AI/Automation: OpenAI API, Langchain, Langgraph, Ollama, n8n
Analytics: Power BI, MSEXcel
Cloud: Azure

PROFESSIONAL EXPERIENCE

Data Engineer — Lingotran Private Limited, Mysuru Apr 2024 – Present

- Architect Azure PostgreSQL databases with 99.9% uptime; develop 50+ REST APIs using Node.js reducing response time by 35%
- Design Data Warehouse; build ETL pipelines with Airflow processing 500K+ records daily
- Create 25+ Power BI dashboards delivering real-time insights; ensure 99% data quality through SQL/Python transformations
- Collaborate with UX and frontend teams for seamless API integrations; administer servers with backup and monitoring strategies

ETL Developer (SAP BODS) — Ahana Systems and Solutions, Bengaluru Sep 2022 – Aug 2023

- Led ETL optimization reducing processing time by 40% and improving accuracy by 25%; implemented SCD Type 1/2/3 strategies
- Architected parallel processing achieving 20% performance boost; optimized SQL queries reducing execution time by 30%
- Resolved L1 tickets with 95% first-time resolution; managed SAP BODS repository and Data Services Management Console

Assistant Professor — Coorg Institute of Technology, Ponnampet Feb 2015 – Jun 2017

- Increased student engagement from 45% to 85% and exam performance from 57% to 93% through innovative teaching
- Mentored 100+ students; published 4 research papers on cryogenic systems and heat transfer

KEY PROJECTS

Enterprise Data Warehouse & Analytics Platform — Lingotran 2024 – Present

- Architected data warehouse on Azure PostgreSQL with star/snowflake schemas; reduced report generation from hours to minutes
- Implemented incremental loading with Airflow; created 25+ Power BI dashboards for sales, operations, and customer insights

Automated ETL Pipeline with Apache Airflow — Lingotran 2024

- Developed end-to-end ETL with quality checks achieving 99.9% reliability; created reusable DAGs reducing dev time by 40%

RESTful API Development for Analytics — Lingotran 2024

- Designed 100+ REST APIs with caching and connection pooling; implemented authentication and rate limiting

AI-Powered Workflow Automation — Personal Project 2024

- Built n8n workflows integrating OpenAI API for text analysis; reduced manual processing by 60%

Data Analytics Dashboard — Personal Project 2023

- Developed Streamlit/FastAPI application with real-time processing; integrated Matplotlib/Plotly for dynamic visualizations

SAP BODS ETL Optimization — Ahana Systems 2022

- Reduced batch window from 8 to 4.5 hours through parallel processing and performance tuning

EDUCATION

M.Tech. in Thermal Power Engineering — East Point College of Engineering, Bengaluru 2012 – 2014

B.E. in Mechanical Engineering — Maharaja Institute of Technology, Mysuru 2008 – 2012

ACHIEVEMENTS & CERTIFICATIONS

Research: Research Assistant at IISc Bengaluru (2013-2014) - Designed Sterling-type Coaxial Pulse Tube Cryocooler achieving 30% faster cooldown; led VTU-funded project; published 4 peer-reviewed papers on cryogenic systems

UPSC Preparation: 5 years intensive Civil Services prep developing analytical thinking and problem-solving

Certifications: Python, SQL (Basic & Intermediate), Data-Driven Decisions

Languages: Kannada (Native), English (Professional), Hindi (Working)