

Mohan Narasimha Kodapaka

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PROFESSIONAL SUMMARY

Data Engineer and Analytics Engineer with hands-on experience designing, implementing, and delivering end-to-end data solutions through industry internships and academic capstone projects. Strong in building scalable data pipelines, optimizing analytics workflows, and developing machine learning systems using Python, SQL, Power BI, and cloud platforms (AWS, Azure, OCI). Proven ability to collaborate with stakeholders and deliver data-driven insights for high-impact decision-making.

EDUCATION

Saint Louis University

Master of Science in Information Systems

St. Louis, MO

Aug 2023 – Dec 2025

- Coursework: Data Engineering, Database Systems, Big Data Analytics, Cloud Computing, Machine Learning, Data Visualization

TECHNICAL SKILLS

Programming & Querying: Python (Pandas, NumPy), SQL (CTEs, Window Functions), PySpark

Data Engineering: ETL/ELT Pipelines, Data Modeling, Data Warehousing (Star Schema, 3NF), APIs

Cloud Platforms: AWS (S3, EC2, EMR, Glue, Athena, Redshift), Azure (ADF, Databricks, Synapse), OCI

Analytics & BI: Power BI (DAX, KPI Design, Executive Dashboards)

Machine Learning / GenAI: Regression, Random Forest, Recommendation Systems, Model Serialization (.pkl), LLM & Prompting Concepts

Tools: Git, GitHub, Docker (Foundational), Jupyter Notebook, VS Code

EXPERIENCE

Data Science Intern

iNeuron Intelligence Pvt. Ltd.

Dec 2022 – Jun 2023

Bengaluru, India

- Designed and built an end-to-end Book Recommendation System web application as part of a six-month industry internship.
- Implemented data preprocessing, feature engineering, and machine learning pipelines using Python.
- Optimized model performance through iterative tuning and evaluation to improve recommendation accuracy.
- Collaborated with mentors and peers to align the solution with industry standards and business requirements.
- Delivered a scalable, production-ready machine learning solution with full documentation.

KEY PROJECTS

FutureWorks – Employability Analytics Dashboard (Capstone)

Python, SQL, Power BI, Machine Learning

Aug 2025 – Nov 2025

- Designed and implemented an end-to-end analytics platform to analyze job postings, salary trends, and in-demand skills.
- Built scalable ETL pipelines to clean, transform, and model data for analytics-ready datasets.
- Optimized data models and SQL queries to improve dashboard performance and data retrieval efficiency.
- Delivered executive Power BI dashboards using KPIs and data storytelling techniques.

Electric Vehicle Adoption Analytics – Washington State

Python, Data Analysis, Visualization

Apr 2025 – May 2025

- Designed and built analytical workflows to study EV adoption trends across regions.
- Implemented data analysis techniques to identify key adoption drivers and patterns.
- Delivered insights through optimized visualizations to support sustainability initiatives.

PetConnect – Lost Pet Reunification Platform (System Design)

Product Design, Geolocation, AI Concepts

Mar 2025 – Apr 2025

- Designed an end-to-end platform concept leveraging geolocation and community collaboration.
- Built scalable system architecture and proposed AI-assisted pet identification workflows.
- Collaborated with peers to define requirements and deliver a complete product design.

CERTIFICATIONS

AWS Academy Graduate – Cloud Foundations

Oracle Cloud Infrastructure 2021 Certified Architect Associate

AI-ML Virtual Internship – AWS Academy / EduSkills / AICTE

MongoDB Hands-On Workshop

SOFT SKILLS

Analytical Thinking • Business Communication • Problem Solving • Stakeholder Collaboration • Ownership • Continuous Learning