

Naveen Morla

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WORK EXPERIENCE

Data Scientist / Software Engineer, THK Manufacturing of America, Inc.

Jan 2024 – Present

- Engineered high-performance APIs using **FastAPI** with advanced **caching** for seamless data ingestion, processing, and retrieval of machine and inventory datasets, and developed and **fine-tuned** predictive models with **PyTorch** and **TensorFlow** to enhance lead time **forecasting** and optimizing inventory management.
- Executed comprehensive data preprocessing, feature engineering, and data wrangling to improve model accuracy and robustness, leveraged **Polars** and **PySpark** for accelerated data processing, ensuring efficient handling of large datasets.
- Architected and managed containerized **microservices** with **Kubernetes** and **Docker** for scalable big data processing pipelines, implementing **MLOps** practices to streamline the deployment and monitoring of machine learning models.
- Created dynamic data visualizations using **Tableau** for data-driven decision-making and developed responsive frontend interfaces with **React** and **JavaScript** to enhance user experience and data visualization.
- Utilized **SQL** for complex backend data management and querying, implemented **Git** version control, and established **CI/CD** pipelines for streamlined code management, automated testing, and continuous deployment.

Data Scientist, Pago Analytics, India

May 2019 – Apr 2021

- Utilized **Python**, and **deep learning** libraries to design resume **parsing** techniques to build a Talent Acquisition Management System (TAMS). Developed advanced **AI** features with 30% more efficiency in the hiring process.
- Engineered an automated hiring process and facilitated its deployment using **AWS Sagemaker**. Collect 10,000+ resumes and label them atomically and manually for the training data, using libraries like **NLTK**, **NLP**, and **Spacy** to analyze data.
- Normalizing **SQL** databases, improving data handling and system performance by 2X. Coordinated with cross-functional teams throughout the development and deployment process, following **Agile** methodologies.
- Applied strong analytical skills and creativity in data mining and defining essential **KPIs/metrics**. Communicated complex data points in a comprehensible manner to stakeholders using **Power BI**. Fostered lasting relationships, ensuring smooth project execution, stakeholder satisfaction, and participation in code review.

Data Analyst, Knowledge Matrix Pvt Ltd, India

Mar 2018 – Feb 2019

- Applied a structured data analysis workflow and built an **ETL pipeline** using tools like Python and SQL to gather, clean, and transform data, uncovering valuable insights for informed decision-making and saving 5+ hours for 10 million records.
- Utilized popular tools like **Tableau** and **PowerBI** to create visually appealing dashboards and reports, effectively presenting key findings to stakeholders and supporting strategic planning.
- Applied **statistical techniques** and data visualization to identify patterns, correlations, and anomalies, providing actionable insights and recommendations for process improvement and business growth.

Languages: Python, R, JavaScript, SQL, NoSQL.

Data Science Technologies: Machine Learning, Big Data, OpenCV, LLM Agents, RAG, MLOps, A/B testing, Fine-tuning Models.

Packages/Tools/Frameworks: Scikit-Learn, Graph neural network, NumPy, SciPy, Pandas, NLTK LangChain, Matplotlib, Keras, Jupyter Notebook, TensorFlow, PyTorch, Tableau, PowerBI, GIT, JIRA, FAST API, React, Cloud Computing, Hugging Face Transformers.

Databases: MySQL, MongoDB, Cassandra, Elasticsearch, PostgreSQL, DynamoDB, AWS RDS.

Statistics/ML: Statistical Analysis, Predictive Analytics, Statistical Modelling, Linear/Logistic/Ridge/Lasso Regression, K-means Clustering, Classification, Data Mining, Decision Trees, Recommender Systems, Random Forests, XG-Boost, LGBM, SVM.

EDUCATION

BOWLING GREEN STATE UNIVERSITY, OHIO M.S in Data Science

Aug 2021 – May 2023

Coursework: Data Science Programming, Database Management Systems, Regression Analysis, Data Mining, Time Series Analysis, Artificial Intelligence Methods, Probability Theory I, Mathematical Statistics II, Linear and Integer Programming, Data Science Project.

ACCOMPLISHMENTS/CERTIFICATIONS

Certifications:

- Coursera : Python and Machine Learning, Introduction to Data Analytics.
- Udemy : Tableau, PowerBI, Django.
- Data Camp : Introduction to R programming and statistics in spreadsheets and Excel.