Paritosh Kiran Gandre

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EDUCATION

Master of Science in Data Science	AUG 2023 – MAY 2025
**Kent State University	GPA : 3.4/40**	Kent, Ohio

Courses: Artificial Intelligence (TensorFlow, PyTorch, Keras) , Statistical Learning, Applied Statistics, Computational Statistics

Bachelor of Engineering – Computer Engineering	JUL 2020 – JUL 2023
University of Mumbai	GPA : 8.99/10	Mumbai, India

WORK EXPERIENCE

Research Assistant – Deep Learning for Genomic Data Analysis   FEB 2025 – MAY 2025
Kent State University   Kent, Ohio

- Boosted DNA sequence classification accuracy to **97% on 40K samples** using **CNNs (TensorFlow/PyTorch)**, outperforming baseline HMM models
- Automated **data preprocessing pipelines** with Python (pandas, NumPy), reducing manual handling by 80% and enabling **Docker-based deployment**
- Applied **Bayesian modeling** for interpretable motif classification and visualized results via confusion matrices and training metrics
- **Collaborated with cross-disciplinary researchers** to align model outputs with biological significance, improving result adoption in ongoing studies

Data Analyst-Supply Chain   JAN 2025 – MAY 2025
Kent State University   Kent, Ohio

- Reduced ingredient over-purchasing by **15% on a $10K budget** through **time-series demand forecasting (ARIMA, Python)** using 3 years of POS data
- Automated SQL extractions and **integrated data with AWS S3**, enabling real-time dashboards for procurement decisions
- Built **Power BI dashboards** for cost and waste KPIs, improving decision-making speed by 30%
- **Introduced A/B testing on procurement strategies**, identifying approaches that minimized cost fluctuations and improved forecasting accuracy

Data Scientist   MAY 2024 – DEC 2024
Inke(SafeSpace)   Orlando, Florida

- Developed **recommendation engine** (collaborative filtering, scikit-learn) and **sentiment analysis models (spaCy, NLTK)** achieving 85% accuracy.
- Reduced API latency by 30% via **Django REST APIs (Docker, AWS EC2)** supporting 100K+ daily interactions
- Automated retraining pipelines with **Airflow** and implemented CI/CD for production deployments
- **Implemented user-behavior analytics** to inform product teams, increasing session duration and content relevance

Catering Operations & Analytics Associate   APR 2024 – DEC 2024
Kent State University Dining Services   Kent, Ohio

- Analyzed **15K+ POS and inventory records (pandas, Hadoop)**, optimizing procurement cycles and cutting food costs by 12% on a $40K budget
- Delivered weekly **Power BI/Tableau dashboards** visualizing sales and waste metrics, accelerating executive decision-making by 30%
- **Developed VBA-based automation tools** in Excel, cutting manual reporting time by 25% for operational teams

TECHNICAL SKILLS

Programming: Python (pandas, NumPy, scikit-learn), SQL (T-SQL), R, VBA
Machine Learning: TensorFlow, PyTorch, NLP, Time-Series, Bayesian Modeling, A/B Testing
Data Engineering: ETL Pipelines, Airflow, Hadoop, Docker, AWS (S3, EC2)
BI & Visualization: Power BI, Tableau, Excel (Power Query, Pivot Tables), Plotly
Collaboration: Git, JIRA, Agile, REST APIs, Django, Flask

PROJECTS

- **AI-Powered Blog Generator: Automated content creation using GPT-3.5 and Flask, cutting blog cycle time by 70%.**
- **Infection Spread Simulation (Mesa): Built agent-based SIR model with real-time visualizations for epidemic impact analysis.**
- **Music Genre Classifier: Achieved 90%+ F1 score with PCA-based feature engineering on Spotify audio datasets.**

CERTIFICATIONS

Data Analysis with R Programming (Google)	[CERTIFICATE](#)	DEC 2024
GenAI with Diffusion Models (NVIDIA)	[CERTIFICATE](#)	NOV 2024