Paritosh Kiran Gandre | DATA SCIENTIST

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Education

Kent State University   Aug 2023 – May 2025
Master's of Science, Data Science, Cumulative GPA: 3.4/4.0   Kent, OH
Relevant coursework: Artificial Intelligence (TensorFlow, PyTorch, Keras), Statistical Learning, Applied & Computational Statistics

Technical Skills

- **Languages:** Python, R, SQL
- **Machine Learning:** scikit-learn, TensorFlow, PyTorch, Bayesian Modeling, HMMs, CNNs
- **Data Engineering:** ETL Pipelines, Airflow, Docker, AWS (S3, EC2, Lambda), Hadoop
- **Deployment & Tools:** CI/CD (GitHub Actions), MLflow, Prefect, REST APIs (Flask, FastAPI)
- **Visualization:** Power BI, Tableau, matplotlib, seaborn, Excel (Power Query, Pivot Tables, VBA)
- **Other:** Git, Agile/Scrum, API Development, Model Monitoring

Experience

Data Scientist   Feb 2025 – May 2025
Kent State University, Kent, OH

- Achieved 97% accuracy on 40K DNA sequences by training CNN models using TensorFlow and PyTorch, validated through ROC and confusion metrics
- Designed reproducible ETL and preprocessing pipelines with Docker and Bayesian modeling for interpretable motif classification

Data Analyst – Supply Chain   Jan 2025 – May 2025
Kent State University, Kent, OH

- Reduced ingredient over-purchasing by 15% through ARIMA forecasting on 3 years of inventory and POS data
- Automated SQL pipelines integrated with AWS S3 and Power BI dashboards, improving procurement decisions by 30%

Data Scientist – AI Engineering   May 2024 – Dec 2024
Inke (SafeSpace), Orlando, FL

- Deployed recommendation and sentiment analysis systems using spaCy and NLTK with 85% accuracy, serving 100K+ users
- Automated retraining and CI/CD through Airflow and AWS EC2, improving model reliability by 30%

Operations Data Analyst   Apr 2024 – Dec 2024
Kent State University Dining Services, Kent, OH

- Analyzed 15K+ POS and inventory records using pandas and Hadoop, cutting food costs by 12%
- Built Tableau dashboards and Excel automations, increasing reporting speed by 30%

Data Scientist   Jan 2022 – Jun 2023
S L Kulkarni Cyril Graphics Pvt. Ltd., Mumbai, India

- Developed IoT-based predictive maintenance models from vibration and temperature data, reducing downtime by 20%
- Built real-time dashboards with Flask and SQL, improving maintenance response time by 30%

Projects

LiveKit Voice Agent (GitHub)   Oct 2025

- Developed a real-time conversational voice agent integrating LiveKit, WebRTC, and LLMs for natural two-way communication and contextual task handling
- Engineered full audio-processing pipeline for speech recognition, reasoning, and response streaming with latency under 200 ms

Product Planning Multi-Agent System (GitHub)   Oct 2025

- Built an AI-powered project planner using CrewAI and Streamlit that automates task decomposition, resource estimation, and milestone generation
- Orchestrated multiple agents for planning, cost evaluation, and timeline creation, outputting structured JSON reports for reuse

Healthcare Monitoring System (GitHub)   Jan 2025 - May 2025

- Built FastAPI + Dash ML platform predicting heart and diabetes risk using Random Forest, XGBoost, and CNNs ($R^2 = 0.89$)
- Designed multi-role dashboards (doctor, nurse, patient) for real-time monitoring and proactive healthcare alerts

Certifications

- AWS Cloud Technical Essentials – Amazon Web Services   Oct 2025
- Biology Meets Programming, UC-San Diego(UCSD)   Aug 2025
- AWS Educate – Introduction to Generative AI   Aug 2025
- Building Computer Vision Applications with Python   Jul 2025
- Data Analysis with R Programming (Google)   Nov 2024