Parth Dhengle

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EDUCATION

AISSMS IOIT — Mangalwarpeth, Pune
Bachelor of Technology in Artificial Intelligence and Data Science, Minor in E and TC — *Aug. 2023 – May 2027*

EXPERIENCE

Python Course — Sep. 2024 – Oct. 2024
AI Adventure — *JM Road, Pune*
- Built projects using object-oriented programming, file handling, and advanced Python features.
- Mastered data structures (lists, dictionaries, sets) and text pattern matching with regex.
- Gained experience in debugging, exception handling, and writing efficient, reusable code.

Data Science Course — Nov. 2024 – Present
AI Adventure — *JM Road, Pune*
- Proficient in data analysis and visualization using pandas, NumPy, and Matplotlib.
- Learning machine learning techniques with scikit-learn.
- Focused on data preprocessing and model evaluation.

Machine Learning Course — Jan. 2025 – Mar. 2025
AI Adventure — *JM Road, Pune*
- Completed hands-on projects on supervised and unsupervised learning.
- Implemented classification and regression models using scikit-learn.
- Gained experience with model evaluation metrics and hyperparameter tuning.

PROJECTS

Dynamic Pricing System for Supermarkets | *React, Flask, PostgreSQL* — Feb 2025 – Present
- Developed a dynamic pricing system to adjust product prices based on demand and market trends.
- Implemented a real-time pricing prediction model with interactive UI and offer animations.

AI-Based Supply Chain Demand Forecasting | *Python, Scikit-learn, PostgreSQL* — Mar 2025 – Present
- Built an ML model for demand forecasting to optimize inventory and reduce waste.
- Developed an interactive dashboard for real-time analysis of sales trends.

Automated Task Management System | *React, Firebase, Python, Flask* — Mar 2025 – Present
- Developed a cloud-based task management system with real-time updates.
- Implemented user authentication and task synchronization using Firebase.
- Created an intuitive React UI with drag-and-drop task management features.
- Integrated a Flask API for automated task prioritization based on deadlines.

A Bike Rental System | *Python, OOP* — Sep. 2024
- Designed a Python-based bike rental system using OOP.
- Implemented daily, weekly, and family rental options with discounts.
- Developed features for inventory management and automated billing.
- Ensured stock validation for efficient rental processing.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (PostgreSQL, MySQL), JavaScript, HTML/CSS, react, fast-api,flaskk
Developer Tools: Git, VS Code, Jupyter Notebook, git-ingest, Ai tools
Libraries: pandas, NumPy, Matplotlib, scikit-learn
Other Skills: Data Structures and Algorithms, Machine Learning, Web Development