Sarthak Dongare

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linkedin.com/in/sarthak-dongare github.com

Education

University of AISSMS IOIT, B.Tech. in Artificial Intelligence & Data Science — Nov 2022 – Nov 2026

- GPA: 7.3/10.0
- **Coursework:** Machine Learning, Deep Learning, Natural Language Processing, MLOps & Model Deployment, Data Structures & Algorithms

Experience

Data Analytics Virtual Internship at **Deloitte (Forage)** — Jun 2025

- Conducted data cleaning and exploratory analysis using Excel and Python on client-simulated datasets.
- Built interactive dashboards and summarized KPIs to derive business insights.
- Communicated data-driven recommendations aligned with client goals and business value.
- **Certificate:** View Credential

Publications

Green Computing : Sustainable Development, Energy Efficiency, and IoT — May 2025

Sarthak Dongare, Ayush Lokre, Ashutosh Khedkar

10.36948/ijfmr.2025.v07i03.41796

Personal Projects

PDFChatApp — Conversational AI for PDF Documents — github

Purpose: Created an intelligent chat assistant that allows users to upload and interact with PDF documents in plain language, making document research and information retrieval intuitive and efficient.
Key Outcomes: Enabled users to quickly find and summarize information across multiple large PDFs, reducing manual search time and improving productivity for research-intensive tasks.
User Benefit: Designed to support students, researchers, and professionals by providing instant, context-aware answers from complex or lengthy documents.
Innovation: Incorporated user feedback for continuous improvement and prioritized privacy by ensuring secure handling of sensitive documents.

Wildfire Image Classification using Deep Learning — github

Purpose: Developed an AI model to automatically classify images as containing wildfires or not, supporting early detection and environmental monitoring efforts.
Key Outcomes: Achieved high accuracy in identifying wildfire imagery, which could aid emergency responders, environmental agencies, and researchers in faster, more reliable wildfire detection.
Real-World Application: Streamlined the process for training and deploying image classification models, setting up a repeatable workflow for future machine learning projects.
Impact: Demonstrated how AI can be leveraged for environmental protection and disaster response, with potential for integration into monitoring systems.

Handwritten Digit Recognition with Gradio — github

Purpose: Built an interactive web application enabling users to draw a handwritten digit (0–9) and receive instant recognition and prediction results.
Key Outcomes: Users can sketch digits directly in the browser and immediately view the model's top three predictions, making the tool valuable for education, demonstrations, and experimentation.
Real-World Application: Helps learners and educators illustrate how neural networks interpret and classify hand-drawn numbers, bridging the gap between theory and practice.
Impact: Combines a transparent training pipeline (Jupyter notebook), an intuitive UI (Gradio), and reproducible deployment guides.

Skills

Python, SQL, Flask, TensorFlow
PostgreSQL, MongoDB
Pandas, NumPy, Docker

Communication, Teamwork, Adaptability
Problem Solving, Time Management