

# Sarthak Dongare

📍 Pune    ✉ sarthakdongare8@gmail.com    📞 +91-989-017-04-98    🌐 my-new-prof.vercel.app  
🌐 linkedin.com/in/sarthak-dongare    🐙 github.com/Frosty-8

## Education

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

- GPA: 7.0/10.0
- **Coursework:** Machine Learning, Deep Learning, Natural Language Processing, MLOps & Model Deployment, Data Structures & Algorithms

## 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

**Custom Linux Distribution** Edulite OS

- Designed and developed a lightweight Ubuntu-based Linux operating system tailored for educational institutions, focused on performance, usability, and accessibility.
- Implemented a unique "Education Mode" for profession-based package installation and an "Exam Mode" to restrict online resources during assessments.
- Built a lightweight offline AI chatbot using FAISS and Sentence Transformers, trained on grade-wise structured JSON Q&A files across multiple subjects (Physics, English, Civics, etc.).
- Developed an animated CustomTkinter-based welcome screen with task tracking, priority-based ToDo list, calendar, and reset features.
- Engineered offline-friendly learning apps that simulate interactive theory guides with copy-to-clipboard functionality, replacing heavy model-based alternatives.
- Packaged and tested the OS for distribution as an ISO with seamless boot capabilities and polished GUI

**AI-Powered Discord Chatbot** raphael-bot

- Developed a lightweight offline voice assistant in Python using NLP and speech recognition techniques.
- Trained an intent classification model using custom 'intents.json' data to handle user queries effectively.
- Integrated speech-to-text and text-to-speech capabilities for a fully interactive voice-based system.
- Modularized functionality for task automation, including searching, answering queries, and executing local commands.
- Designed the system to run without an internet connection, enabling private and secure usage.

## Skills & Technologies

**Languages:** Python, C, C++, JavaScript, SQL

**Databases:** PostgreSQL, MongoDB, MySQL

**Cloud & Deployment:** Docker, Vercel

**Web & Backend Development:** Next.js, React.js, Django, Express.js, Flask

**Machine Learning & MLOps:** TensorFlow, PyTorch, MLflow

**Data Analytics & BI Tools:** Power BI, Tableau, Pandas, NumPy

**Version Control & CI/CD:** Git, GitHub, GitHub Actions