

Sandesh Yesane

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Education

University of Mumbai, B.E in Computer Engineering

Nov 2022 – May 2026

- CGPA: 7.32

Projects

Mentor Mind

- Architected and developed a scalable, full-stack AI-powered Learning Management System (LMS) for creating, managing, and delivering personalized learning experiences.
- Leveraged the Gemini API to generate intelligent course content, assessments, and concise learning summaries dynamically based on user preferences.

Matsyavan – Industry-Collaborated Final Year Project

- Developed a real-time, offline aquaculture monitoring system using IoT sensors with local data storage and dashboard visualization.
- Implemented a stereo vision-based fish length estimation module using OpenCV and dual cameras, integrated with an RNN model for temporal analysis and prediction.
- Deployed Raspberry Pi Zero 2W units for stereo processing coordinated by an ESP32, with a Raspberry Pi 4 for data aggregation and dashboard hosting.
- Designed an edge-computing architecture optimized for low latency, reliability, and field deployment.

Experience

Prodigy Infotech – Web Development Intern

- Developed and deployed interactive web pages using HTML, CSS, and JavaScript as part of task-based internship projects.
- Implemented responsive front-end designs ensuring cross-browser compatibility and performance optimization.
- Integrated APIs for dynamic content rendering and enhanced user experience.

Achievements

IBM Data Fundamentals Certification

- Gained foundational knowledge in data handling, databases, data analysis, and data-driven decision-making.

Udemy – Data Science Certification

- Completed comprehensive data science course covering data cleaning, EDA, statistics, machine learning, and visualization using Python and libraries like NumPy, Pandas, Matplotlib, and Scikit-learn.

Technical Skills

Programming Languages: Python, SQL, JavaScript

ML & Data Science: NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Exploratory Data Analysis (EDA), Feature Engineering, Model Evaluation

Backend & Deployment: Node.js, Express.js, RESTful APIs, MongoDB, Docker, Git, GitHub

IoT Systems (Project-Based): Raspberry Pi, ESP32, Sensor Integration