Sahil Sasane

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EDUCATION

- **B.Tech Computer Engineering (Data Analytics and Language Processing)**   **2021 − 2025**
  Pillai College Of Engineering   *Panvel, Navi Mumbai*
  CGPA - 8.54

SKILLS

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

- **Programming Frameworks**: PyTorch, Tensorflow, scikit-learn, Pandas, Numpy, Matplotlib, Express.js, React.js, Next.js, Flask, FastAPI, OpenCV

- **Technologies**: Deep Learning, Computer Vision, Jupyter Notebook, Git, Socket.IO, NLP, GANs

PROJECTS

- **Lung Disease Classification using GAN** [*Python, Numpy, Matplotlib, PyTorch*]   **Jan 2024 − Present**
  Ongoing Final Year Project
  - Designed an advanced GAN for lung disease classification with 5,000+ chest X-ray images.
  - Employed diverse GAN architectures like DCGAN, ACGAN and WGAN GP to improve binary image classification in medical datasets.
  - Applied a stacking classifier with GAN features, achieving 98.7% classification accuracy.

- **VyavaSahayak (Bhashini Sprint 1.0)** [*ReactJs, ExpressJS, MongoDB, Python*]   **May 2024 - June 2024**
  - Developed a multilingual onboarding solution, reducing manual translation efforts by 40%.
  - Generated 500+ product descriptions using Bhashini's translation services and Gemini.
  - Reduced onboarding time, enhancing business operations and expanding into diverse markets.

- **Recommendation System** [*Python, scikit-learn, Pandas, Matplotlib, Flask, Tensorflow*]   **November 2023**
  - Analyzed 500+ courses to identify and quantify relationships.
  - Utilized K-means and hierarchical clustering to categorize courses into 15+ clusters.
  - Applied PCA to reduce dimensionality by 60%, improving clustering and recommendation accuracy.
  - Created and refined 15+ features with deep learning, enhancing precision and personalization.

- **Chat Application** [*ReactJs, ExpressJS, MongoDB, Socket.IO*]   **May 2024**
  - Developed a chat application for real-time messaging with 10+ active users and group chats.
  - Implemented secure user authentication and session management for 1,000+ real-time messages daily.
  - Designed a responsive UI, enhancing user experience across 3+ device types.

ACHIEVEMENTS

- **Bhashini Sprint 1.0 - Runner Up** - Created an E-Commerce onboarding solution that boosted the onboarding process by 30% with Gemini AI.

- **HackOverflow 2.0 - Top 10** - Proposed a blockchain-based project for secure and efficient electronic health records (EHR) management, ensuring data integrity and privacy.

- **Coding Profiles** - LeetCode, Codeforces, Kaggle, HackerRank

CERTIFICATIONS

- **IBM Data Science Specialization**
  Coursera, 2023

- **Deep Learning Specialization (DeepLearning.AI)**
  Coursera, 2024