

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

EXPERIENCE

Data Engineer Intern

Oct 2024 – Present

• Blank Media Analytica

Remote

- Developed high-performance web scraping scripts using Selenium with threading, increasing data retrieval speed by 80% and reducing data acquisition time by half.
- Integrated RESTful APIs to facilitate real-time data ingestion, increasing data freshness for business intelligence by 90%.
- Created an optimized relational schema in MySQL, lowering query response times by 35% to enhance data accessibility.

PROJECTS

• Vayu (AI Therapist) [Flutter, Firebase, React.js, Gemini 1.5, Express.js]

Oct 2024

- Created an AI therapy solution supporting 20+ users, incorporating mood tracking, meditation, and breathing exercises that increased engagement by 30%.
- Enhanced mental health resources by designing CBT tools and interactive journaling functionality.
- Integrated data-driven mood analysis, resulting in a 40% improvement in user satisfaction and therapeutic guidance.

• GAN-Based Pneumonia Detection System [Python, Numpy, Matplotlib, PyTorch]

Aug 2024

Final Year Project

- Engineered GAN-based models for classifying pneumonia, achieving groundbreaking accuracy of 98.7% on 5,000+ chest X-ray images.
- Improved classification pipeline by 10% using GAN feature extraction combined with stacked classifiers.
- Experimented with DCGAN, ACGAN, and WGAN-GP, optimizing results through feature extraction techniques.

• VyavaSahayak (Bhashini Sprint 1.0) [React.js, Express.js, MongoDB, Python]

June 2024

- Developed a multilingual onboarding app for e-commerce, reducing translation costs by 30% and improving accessibility.
- Automated 500+ product descriptions using Bhashini and Gemini tools, boosting efficiency by 50%.
- Achieved a 50% decrease in onboarding time, increasing accessibility for diverse language markets.

ACHIEVEMENTS

Winner - Google Gen AI Hackathon - Led the talented team to the finals and successfully presented the project to industry experts.

Runner-Up - Bhashini Sprint 1.0 - Competed with innovative startups in the e-commerce domain.

Top 5 - HackCelestial Hackathon 2024 - National-level Ed-tech competition.

Top 2% Globally - Unstop - Achieved a rank within the top 2% globally (under 23,000 participants).

Top 5 - HackOverflow Hackathon 2024 - Blockchain based solution for secure EHR management.

Coding Profiles: Solved over 300 problems on [LeetCode](#), [Codeforces](#), [Kaggle](#), [HackerRank](#).

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, Java, C, Dart, SQL

Frameworks & Libraries: PyTorch, React.js, Express.js, Flutter, NumPy, Matplotlib, Seaborn, Tensorflow, scikit-learn

Databases: MongoDB, MySQL, Firebase

Tools & Technologies: Selenium, Git, Kaggle, Firebase, Jupyter Notebook, GANs, NLP

CERTIFICATIONS

• IBM Data Science Specialization

Coursera

• Deep Learning Specialization (DeepLearning.AI)

Coursera