

# Sahil Sasane

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## EDUCATION

<b>B.Tech Computer Engineering (Data Analytics and Language Processing)</b>	2021 – 2025
• <i>Pillai College Of Engineering</i>	<i>Panvel, Navi Mumbai</i>
CGPA - 8.54	

## EXPERIENCE

<b>Data Engineer Intern</b>	Oct 2024 – Present
• <i>Blank Media Analytica</i>	<i>Remote</i>
◦ 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

<b>Vayu (AI Therapist)</b> [ <i>Flutter, Firebase, React.js, Gemini 1.5, Express.js</i> ]	Oct 2024
◦ Engineered an innovative AI therapist made to ease mental stress and provide emotional help.	
◦ Integrated meditation, breathing guides, and CBT tests to enhance user experience.	
◦ Implemented mood tracking and journal features, supporting a diverse user base.	
<b>GAN-Based Pneumonia Detection System</b> [ <i>Python, Numpy, Matplotlib, PyTorch</i> ]	Aug 2024
<i>Final Year Project</i>	
◦ 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.	
<b>VyavaSahayak (Bhashini Sprint 1.0)</b> [ <i>React.js, Express.js, MongoDB, Python</i> ]	June 2024
◦ Developed a multilingual onboarding solution, significantly reducing the need for manual translation and streamlining the process.	
◦ Leveraged Bhashini and Gemini to automate the creation of product descriptions, speeding up content generation considerably.	
◦ Improved onboarding efficiency, enhancing business operations and enabling expansion into diverse 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, Tensorflow, scikit-learn

**Databases:** MongoDB, MySQL, Firebase

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

## CERTIFICATIONS

• <b>IBM Data Science Specialization</b> <i>Coursera</i>	• <b>Deep Learning Specialization (DeepLearning.AI)</b> <i>Coursera</i>
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