

SAHANA A

AI ENGINEER

CONTACT

+91 9150765553

sahanaa.25046@gmail.com

Chennai, India

www.linkedin.com/in/sahanaa2504

EDUCATION

2023 - Present
DHANALAKSHMI COLLEGE
OF ENGINEERING

- Bachelor of Technology - Artificial Intelligence and Data Science
- 8.69 / 10 CGPA

SKILLS

Programming Languages

- Python, R, C, SQL, HTML, CSS

Machine Learning & AI

- Scikit-learn, Pandas, Numpy, Matplotlib, NLTK
- Model building, evaluation, and deployment
- Natural Language Processing (NLP)

Web Development

- Flask, Jupyter Notebook
- Frontend basics (HTML, CSS)

DevOps & Tools

- Git, GitHub, GitHub Actions
- Docker, Jenkins
- SonarQube, Trivy (Security Scanning)
- Oracle Cloud

Databases

- SQLite, MySQL (Basics)

PROFILE

Motivated and detail-oriented B.Tech student in Artificial Intelligence and Data Science with hands-on experience in machine learning, data analysis, and DevOps practices. Skilled in Python, Flask, and cloud-based tools with a strong foundation in building intelligent systems and secure pipelines. Actively seeking opportunities to apply AI-driven solutions in real-world scenarios.

PROFESSIONAL EXPERIENCE

- BedOps** JUN 2025 - PRESENT
Operational intelligence for hospital bed management (*Ongoing*)
 - Building Machine Learning model to predict the number of available hospital beds (ICU & general) in nearby hospitals using historical data trends.
 - Aimed at assisting ambulance systems in emergency routing by forecasting real-time bed availability.
 - Planned features include alert system for high occupancy, nearest hospital suggestions, and potential integration with APIs.
- Feast Your Feelings** MAY- JUN 2025
Mood based food recommender Web App
 - Developed a Python + Flask web application that suggests food based on user mood and preference.
 - Designed and structured a dataset of 100+ food items mapped to 16 emotional states (eg. Happy, Sick, Excited.)
 - Promotes emotional well-being through comfort food suggestions using tech-driven personalization

URL : <https://github.com/sahana-a25/feast-your-feelings>
- Integrating Automated Security Scanning into DevOps Pipelines using Sonarqube and Trivy** MAR - MAY 2025
 - Built a CI/CD pipeline integrating SonarQube and Trivy for automated code quality and security scanning.
 - Used GitHub Actions, Jenkins, and Docker to automate build, test, and deployment stages.
 - Deployed on Oracle Cloud as part of a college-level hackathon sponsored by Oracle, demonstrating real-world DevSecOps practices.

URL : <https://github.com/sahanaa256/Sahana-A---Devops->

CERTIFICATION & COURSES

- CS50's Introduction to AI with Python | Harvard University (via edX) - Ongoing** JUN 2025 - PRESENT
- Introduction to Machine Learning | NPTEL** JAN 2025
- Data Science for Engineers | NPTEL** JUL 2024