

Lakkakula Gayathri

Roll No.: 22FE1A0598

Bachelor of Technology

Vignan's Lara Institute Of Technology and Science, Vadlamudi

EDUCATION

•Bachelor of Technology in Computer Science and Engineering

2022-26

Vignan's Lara Institute Of Technology and Science, Vadlamudi

Percentage: 78%

•Intermediate (MPC)

2020-2022

Sri Chaitanya Junior College, Guntur

Percentage: 96%

•Secondary Education (ICSE)

2019-2020

Little Flower English Medium School, Guntur

Percentage: 79%

CAREER OBJECTIVE

- Final-year Computer Science student with interest in software development and problem-solving.
- Familiar with data structures, algorithms, and OOP concepts, with practical experience building web applications.
- Enjoys creating real-world solutions that simplify user experiences and solve meaningful problems.
- Eager to contribute to innovative projects while continuously learning and applying emerging technologies.

WORK EXPERIENCE

AI-Based Crop and Fertilizer Recommendation System

April 2025 – May 2025

Edunet Foundation, Remote

- Analyzed datasets and built predictive models to turn complex data into useful insights.
- Integrated a user-friendly web interface with real-time input fields for soil and weather parameters.
- Implemented a user-friendly interface allowing farmers to receive real-time crop and fertilizer recommendations.

PROJECTS

🔗 Expense Tracker

Full-Stack Web Application

- Implemented protected routes and authorization checks to ensure user data security.
- Implemented add, edit, and delete features for efficient expense management.
- Implemented CRUD operations for expenses with a MySQL backend and Express API.
- **Tech Stack:** Express.js, SQL, Node.js, JavaScript, HTML, CSS

🔗 Disease Outbreak Prediction System

Machine Learning Project

- Built an interactive app with Streamlit to let users input health data and get real-time predictions.
- Trained and tested ML models (SVM, Logistic Regression) using scikit-learn, achieving 75% accuracy.
- Integrated trained models into a Streamlit interface for real-time predictions.
- **Tech Stack:** Python, scikit-learn, Streamlit, Pandas, NumPy, Pickle

🔗 Online Job Portal

Full-Stack Web Application

- Developed a role-based job portal enabling secure interaction between Job Seekers and Employers with session management.
- Built REST APIs in Flask to handle user sessions and data communication.
- Integrated information retrieval methods for job search.
- **Tech Stack:** Flask, Python, MySQL, HTML, CSS

ACHIEVEMENTS

🔗 NPTEL: The Joy of Computing using Python

🔗 NPTEL: NPTEL: Programming in Modern C++

🔗 NPTEL: Programming in Java

Solved **250+** problems on **LeetCode**, demonstrating consistent practice in data structures, algorithms.
Strengthened algorithmic and problem-solving abilities by solving **240+** problems on **Geeksforgeeks**

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Java, JavaScript(Basic)

Databases: MySQL

Frameworks/Libraries: Node.js, Express.js, Java Collections, C++ STL

Tools: GitHub, VS Code

Areas of Interest: Web Design and Development

Soft Skills: Communication, Problem-solving, Critical Thinking, Time Management