

# 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

*Vignan's Lara Institute Of Technology and Science, Vadlamudi*

2022-26

Percentage: 78%

### Intermediate (MPC)

*Sri Chaitanya Junior College, Guntur*

2020-2022

Percentage: 96%

### Secondary Education (ICSE)

*Little Flower English Medium School, Guntur*

2019-2020

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: 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

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GitHub Profile

LinkedIn Profile