

# THARUN GOWDA K

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LinkedIn

Github

leetcode

GeeksforGeeks

## EDUCATION

Sri Venkateshwara College of Engineering, Bengaluru  
B.E - Computer Science and Engineering - **CGPA: 8.1**

2022 – 2026

Bengaluru, Karnataka

Amara Jyothi PU College, Kolar  
2nd PUC - Science (PCM) - **91%**

2020 – 2022

Kolar, Karnataka

Magnolia High School, Kolar  
SSLC - **94%**

2019 – 2020

Kolar, Karnataka

## PROJECTS

Smart Farming Assistant – Crop Recommender ↗ | Python, Flask, scikit-learn, Next.js Mar'25

- Implemented a secure crop recommender system using decision trees trained on live farm data.
- Built and deployed a Flask API with input validation and weather integration for real-time predictions.
- Designed a responsive Next.js frontend for farmers to receive dynamic and personalized suggestions.

Integrated Annual Report Portal ↗ | Python, Flask, MongoDB, HTML, CSS

Dec'24

- Developed a scalable web-based portal using Python-Flask and MongoDB to centralize and streamline annual report generation for academic departments, enhancing consistency and operational efficiency.
- Enforced role-based access control and automated data aggregation features to ensure secure, structured data management and reduce manual overhead.
- Integrated real-time analytics and customizable visualization tools, enabling stakeholders to monitor departmental performance and generate insightful, data-driven reports.

Employee Information Management Chatbot ↗ | Python, pandas, Openpyxl, Excel

Mar'24

- Developed a Python-based terminal chatbot for managing employee data, enabling users to add, update, delete, and view employee records through natural language interaction.
- Leveraged the pandas library for Excel-based data storage and retrieval, ensuring persistent and structured recordkeeping without the need for a database.
- Applied dynamic greeting responses using a customizable text file, enhancing user engagement with personalized conversational flow.
- Added input validation and error handling for robust user interaction, preventing data inconsistencies and ensuring smooth execution during employee record operations.

## TECHNICAL SKILLS & COURSEWORK

**Languages:** Python, Java , C, SQL, JavaScript

**Web Technologies:** HTML, CSS, React.js, Next.js, Node.js, Express.js, REST APIs

**Databases:** MongoDB

**Developer Tools:** Git, GitHub

**Coursework & Concepts:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks (TCP/IP, OSI), DBMS, Machine Learning

## CERTIFICATIONS

- Artificial Intelligence Foundation Certification – Infosys ↗
- Python Development Internship – OCTANET SERVICES PVT LTD. ↗
- GenAI Powered Data Analytics Job Simulation – TATA ↗
- Python for Data Science – IBM ↗

## EXTRACURRICULAR

Solved 70+ problems across LeetCode and GFG. Strong in graphs, trees, DP, and system design patterns.