

# Deekshith Bommarthi

 GitHub |  LinkedIn

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## EDUCATION

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad

October 2021 - June 2025

B.Tech - Computer Science and Engineering

GPA: 8.0/10

Vishwa Chaitanya Junior College, Hyderabad

June 2019 - June 2021

Intermediate Education - MPC

GPA: 9.78/10

## SKILLS

**Languages:** Python, C, HTML5, CSS3, JavaScript, Bash.

**Technologies:** Git, GitHub, Axios, Kivy, KivyMD, Github Actions, Streamlit, Bootstrap, AngularJS, Django, Docker, Telegram-Bot-API, Asyncio, Telethon, GoogleAppsScript, ADB and fastboot, Selenium, Hugging Face Transformers, Pydub, PyMuPDF (fitz), PyInstaller.

**Core Competencies:** Interactive Web Development, System Automation, API Integration, Application Development.

**Soft Skills:** Problem-Solving, Attention to Detail, Communication, Adaptability, Creativity.

## PROJECTS

### Kivy Android Application for Cross-Platform File Sharing

- **Overview:** Cross-platform file-sharing application for Windows, and Android, improving UX over traditional servers:
  - **User-Centric Design:** Added directory path input for simpler selection and improved navigation.
  - **Robust File Handling:** Integrated upload and download features for effective file management.
  - **Secure File Access:** Enhanced security by sanitizing file names and managing permissions.
  - **GitHub Utilization:** Utilized GitHub Actions and YAML for APK creation, demonstrating proficiency in using GitHub for various tasks, including developing Android applications with Kivy.

### Versatile Web Innovations

- **Overview:** Discover my advanced frontend skills through diverse projects designed to enhance user experiences. This repository highlights my expertise across various areas of frontend development and design:
  - **Frontend Development:** Mastered **HTML5**, **CSS3**, and **JavaScript** for responsive user interfaces.
  - **Creative Problem Solving:** Developed dynamic storytelling and Tic-Tac-Toe with AI integration for fun.
  - **User-Centric Design:** Focused on improving user interactions through tools like music players and color generators.
  - **Efficient Deployment:** Utilized **Git** and **GitHub Pages** for seamless version control and management.
  - **Continuous Learning:** Committed to exploring new technologies to enhance project capabilities and features.

### Automated Message Dispatcher

- **Overview:** A robust application designed for cloning group chats and forwarding messages on Telegram:
  - **Caching and Batch Processing:** Efficiently caches messages and organizes them into JSON files for retrieval.
  - **API Handling:** Implements robust retry mechanisms to manage API limits and prevent failures.
  - **Cloning and Forwarding:** Clones group chats while preserving original hierarchy and message structure.
  - **Real-Time Processing:** Supports cached and direct forwarding, ensuring messages maintain original order.

### Advanced Telegram Bots

- **Overview:** Developed Telegram bots for diverse applications, using Python, JavaScript, SQLite, and cryptography:
  - **Message Broadcasting Bot:** Built with **Python** and **SQLite**, it facilitates anonymous secret submissions, comments, likes, and broadcasts to subscribed users, ensuring privacy through encrypted storage.
  - **Web Application Bot:** Developed using **JavaScript** and **Node.js**, it offers functionalities such as weather updates, quizzes, to-do list management, and currency conversion through an Express API and Telegram bot interface.
  - **File Sharing Bot:** Leveraging **Python** and **SQLite**, it manages file uploads in group chats, stores metadata, enables file searching and pagination, and provides admin functions for feedback handling and activity logging.

### Flower Detection using CNN

- **Overview:** Developed a CNN-based model for classifying flower species with key features:
  - **Model Training:** Achieved 90% accuracy with a CNN trained on a diverse Kaggle dataset, using data augmentation.
  - **Interactive Chatbot:** Integrated **FlowerBot**, increasing user interaction by 50%.
  - **Real-Time Deployment:** Deployed using **Streamlit**, reducing image recognition time to under 2 seconds.
  - **Performance Metrics:** Evaluated using accuracy, precision, recall, improving model reliability by 15%.

## CODING PROFILES

**Hackerrank** :21241A05Z4 (6 Star Rating)      **Leetcode** :user5777yx (Rating: 1805, 400+ problems)  
**Codechef** :deekshith2124 (Rating: 1565)      **Interviewbit** :deekshith-b\_240 (Score: 24897+)

## CERTIFICATIONS

CyberSecurity - Specialization (Coursera), Juniper Virtual Cloud Networking (Learning Portal), Full Stack Web Development (Infosys SpringBoard), Google Android Developer (AICTE), Data Analytics with Python (NPTEL), Data Science for Engineers (NPTEL), AWS Data Engineering (AWS), DevNet (AWS), ITN-ENSA-SRWE (Cisco).

## ACHIEVEMENTS AND ACTIVITIES

- Engaged in Smart Interviews for advanced product training and industry knowledge enhancement.
- Competed in major coding contests, demonstrating strong problem-solving and competitive programming skills.