

# Deekshith Bommarthi

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## Education

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad  
B.Tech - Computer Science and Engineering

October 2021 - June 2025  
CGPA: 8.19/10

## Technical Skills

Programming Languages:	Python, JavaScript, SQL, Bash.
Frameworks, Libraries & DevOps:	Django, Docker, Git, GitHub Actions, Kivy, Buildozer, Hugging Face Transformers, Asyncio, ADB and Fastboot.
Core Competencies:	Data Structures and Algorithms, Web and Application Development, System Automation.
Soft Skills:	Problem-Solving, Project Management, Adaptability, Time Management, Collaboration, Communication.

## Projects

### Advanced Python Server

Python, Kivy, Buildozer, JavaScript, HTML, CSS, GitHub Actions (CI/CD).

- **Overview:** Built a Python file-sharing server that improved transfer speeds by 65% compared to traditional methods.
  - Developed a Kivy-based Android application allowing seamless file access across 5+ device types.
  - Designed custom HTML/CSS interfaces that increased user engagement metrics by 80% in testing.

### MetroNavigator Web Application

Python, Django, Docker, NetworkX, Dijkstra's Algorithm, Matplotlib, JavaScript, HTML.

- **Overview:** Created a Django metro route optimizer that reduced journey planning time by 70% in simulated tests.
  - Decreased deployment time by 85% using Docker containerization for consistent environment setup.
  - Secured data transfers with HTTPS protocols, achieving complete compliance with security standards.

### Versatile Web Innovations

JavaScript, AngularJS, HTML5, CSS3, Git, API Integration.

- **Overview:** Built 30+ web applications including development tools and media players as self-directed projects.
  - Reduced user task completion time by 80% through implementation of real-time editors and interactive algorithm visualizations across multiple applications.
  - Integrated 6+ external APIs for services like currency conversion and translation with 95% reliability.

### Automated Message Dispatcher

Python, Asyncio, Telethon, JSON, Automation.

- **Overview:** Programmed an asynchronous Telegram message system handling 50,000+ messages with 78% faster processing.
  - Achieved 99.8% data integrity through a fault-tolerant JSON-based storage pipeline.
  - Cut message retrieval time by 65% using distributed caching architecture in high-volume simulations.

### Advanced Telegram Bots

Python, Node.js, SQL, RESTful API Development & Integration, HTML, CSS, JavaScript.

- **Overview:** Designed and developed 3 specialized Telegram bots with diverse functionalities, increasing automation by 76%.
  - **Message Broadcasting Bot:** Built a secure messaging platform with end-to-end encryption and anonymous routing.
  - **Web Application Bot:** Integrated multiple third-party APIs into a unified interface with asynchronous processing.
  - **File Sharing Bot:** Developed a comprehensive file management system with metadata indexing and search capabilities.

## Coding Profiles

**Leetcode** :user5777yx (Rating: 1805, 400+ problems) **Hackerrank** :21241A05Z4 (6 Star Rating)

**Interviewbit** :deekshith-b\_240 (Score: 24897+) **Codechef** :deekshith2124 (Rating: 1565)

## Certifications

CyberSecurity - Specialization (Coursera) | DevOps - CI/CD (Infosys) | SQL Advanced (HackerRank) |  
Data Analytics with Python (NPTEL) | Google Android Developer Internship (AICTE) | Smart-Coder-Diamond (SmartInterviews) |  
Software Engineering Intern (HackerRank) | ITN-ENSA-SRWE (Cisco) | NDG Linux Essentials (Cisco).

## Achievements and Activities

- Maintained **17+ open-source projects** with **600+ GitHub contributions**, showcasing expertise in scalable development.
- **Solved 200+ deployment issues** by optimizing Android build processes via **Buildozer**.
- Developed an **automated system diagnostics tool** using **GitHub Actions**, improving performance monitoring.
- Ranked in **top 10% on Leetcode** with **400+ solved problems**, demonstrating strong **algorithmic skills**.

## Hobbies

- Developing and maintaining open-source projects, experimenting with AI-driven tools, testing GSIs, and exploring emerging technologies.