

# ABHINAV CHERUKU

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## SUMMARY

Dedicated B.Tech Information Technology student with a strong foundation in Data Structures and Algorithms (Python, Java). Proficient in front-end development, I excel at solving complex problems through structured coding practices

## EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology

Bachelor of Technology in Information Technology

August 2023 – July 2027 (Expected)

CGPA: 8.7/10.0

## TECHNICAL SKILLS

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

**Technologies/Frameworks:** HTML, CSS, React.js, Tailwind CSS, Nodejs, Express, MongoDB

**Developer Tools:** VS Code, Git, GitHub

**Computer Science:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems

## PROJECTS

### Lumora

abhinavppwork/Lumora

- **Developed** an online educational platform using **React.js** and **Tailwind CSS** Organizing over **50+** Lectures, improving structured access to mentor lectures.
- Implemented a topic-wise filtering system, allowing students to quickly access relevant lectures, reducing search time by **85%**.
- Restricted access to users with a college domain email, ensuring exclusivity and maintaining content security.

### Language Translator

abhinavppwork/seminarhall

- Developed a GUI-based language translation application using Python, Tkinter, and the Google Translate API, supporting over 100 languages.
- Enabled real-time translation by allowing users to input text and select target languages from a dynamic dropdown interface.
- Achieved fast translation speeds with response times under 2 seconds, enhancing accessibility for multilingual communication.

### Digital academic Library

abhinavppwork/digital-library

- Built a responsive academic library platform using React.js and Tailwind CSS, enabling centralized access to learning resources.
- Integrated a Gemini-powered AI chatbot for real-time academic assistance and a forum system for subject-specific peer discussions.
- Developed a teacher upload interface for academic materials and enabled students to access both uploaded and curated online content.

## CERTIFICATION

April 2025

JavaScript Essentials 1 – Cisco Networking Academy

April 2025

JavaScript Essentials 2 – Cisco Networking Academy

March 2025

Winner – Webathon (Hackathon) 3.0 conducted by ACM VNRVJIET

February 2025

Participant – WebAlchemy Mini Hackathon

## COMPETITIVE PROGRAMMING

**LeetCode:**

Rating: 1588+ | 120+ problems solved

leetcode.com/abhinavppwork

**CodeChef:**

Rating: 1520+ | 27+ contests attended

codechef.com/users/abhinavppwork

**Codeforces:**

Rating: 1000+ | 10+ contests attended

codeforces.com/profile/abhinavppwork