ALEKHYA RANI MODALAVALASA

6301790875| alekhyamodalavalasa@gmail.com | github | linkedin | leetcode

SUMMARY

A passionate and motivated B .Tech Computer Science student at JNTU-GV, aspiring to become a software engineer. Proficient in frontend development using React.js, Tailwind CSS, and experienced in problem-solving and algorithmic thinking. Enthusiastic about learning new technologies, building efficient and scalable applications, and contributing to innovative projects. Seeking an internship opportunity to apply my technical skills, enhance my knowledge, and gain real-world industry experience.

EDUCATION

Bachelor Of Technology in Computer Science and Engineering   - August 2022- May 2026(Expected)
University: JNTU-GV College of Engineering , Vizianagram
CGPA : 8.62/10.0

EXPERIENCE

Completed an online internship at Octanet Services and received a certification for outstanding performance :

- Gained hands-on experience in web development [HTML , CSS]
- Worked on todo list , calculator , converter, implementing HTML,CSS improving user experience

Repository : github repo

Intern as Full Stack Developer at GA Digital Solutions   *May 2025– July 2025*

- Test Execution team for a **Proctored Online Examination Platform**.
- Developed major frontend modules using **React.js and Tailwind CSS**, including:
- Built scalable backend APIs using **Django REST Framework** to:
- Implemented evaluator dashboard to review candidate answers and proctoring feedback.

PROJECTS

- ◆ Inventory Management System
  - Developed a Inventory Management System application to facilitate real-time inventory management.
  - Implemented using python (pandas , matplotlib , tkinter).
  - .User Interface: A clear, user-friendly interface (web or desktop-based) where users can add or remove items, and process orders.
  - Real-Time Updates: Mechanisms for real-time monitoring to ensure that the system reflects current inventory stocks.

  Repository : github repo

- ◆ Tech Nova Technical Event Website   Feb 2025 – Mar 2025
  - Designed and developed a website for the Tech Nova technical event conducted in our national technical symposium fest CRESENCE2K25 at JNTU-GV university
  - Built using React.js, Tailwind CSS to create a modern and responsive interface.
  - Used Mongodb for backend purpose
  - Enabled event registrations, schedule viewing, leader board and participant engagement.

  Website : technova2k25.vercel.app

  Repository : github repo

- ◆ Music player
  - The project utilizes HTML for structure, CSS for styling, and JavaScript for functionality.

- The core functionality allows users to play, pause, and navigate through tracks. The JavaScript in the repository (notably in *script.js*) handles the audio controls, ensuring smooth playback and transition between songs.
- A separate data file (*data.js*) likely holds details about the music tracks (such as song titles, artists, and file paths), which makes it easy to manage or extend the playlist.
- The presence of *forSearch.js* suggests that the player includes functionality to search through the list of songs. This allows users to quickly locate and select a desired track without scrolling through the entire playlist
- Repository : github repo

- **GA Proctored Online Test Platform**   *May 2025 – July 2025*
  - A full-stack web application for conducting secure online examinations with real-time proctoring.
  - **Tech Stack:** React.js, Tailwind CSS, Django REST Framework, PostgreSQL
  - Key Features:
    - Test execution UI with support for 6+ question types.
    - Section-based timer and answer saving with autosave functionality.
    - Candidate monitoring using periodic webcam snapshots , screen access logs and real time proctoring
    - Admin/Evaluator dashboard to review answers and assign marks for subjective/audio/video responses.
    - Robust backend models and APIs handling user roles, test flows, and proctoring logs.

  Repository : github backend repo , github frontend repo

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, JavaScript
Web Development: React.js, Tailwind CSS, HTML, CSS, Bootstrap, Django
Data Structures & Algorithms: Problem-solving, Competitive Programming
Databases: MySQL, Db sqlite, PostgreSQL
Version Control: Git, GitHub
Tools & Platforms: VS Code, Linux, Postman

INTERESTS

Conducting workshops , Coordinating technical events , Problem solving

ACHIEVEMENTS

NPTEL certifications
- Course enrolled: Internet of Things (IoT)
- Rank secured: Silver rank
- Marks obtained: 83/100
- Course enrolled: Data Analytics with Python
- Rank secured: Elite rank
- Marks obtained: 72/100

GATE Score
- Marks secured: 32.17
- All India rank: 17287
- Gate score: 380

Resource person certificate
- Awarded the Resource Person Certificate for serving as a resource person in the college Web Development Workshop, where I shared frontend development expertise and contributed to enhancing the technical skills of over 50 students for 2 whole working days as 4 sessions

AWS Academy certification -Course: Cloud computing