



THAKKALLAPELly ABHIRAM

Roll No.: 21CHB0A53

Chemical Engineering

B.TECH, 4th Year

National Institute Of Technology, Warangal

+91-9553383253

✉ abhiramthakkallapelly@gmail.com

🔗 Abhiram-12

🌐 Abhiram

EDUCATION

•National Institute of Technology, Warangal

Bachelor of Technology, Chemical Engineering

2021-Present

CGPA: 7.18

•Narayana Junior College

Telangana State Board of Intermediate Education, Telangana

2020

Percentage:94.8

•Daffodils High School

Board of Secondary Education, Telangana

2018

Percentage:97

PERSONAL PROJECTS

•Algo Arena | An Online Judge Platform 🏆

July'24

Developed a web-based platform enabling users to write, run, and submit code, generating automated verdicts.

- Built with the MERN stack, using **React** for the frontend and styled with CSS.
- Developed the backend with **Node.js** and **Express.js**, exposing **RESTful APIs** and using **MongoDB Atlas** for data storage (users, problems, contests, submissions, leaderboards).
- Implemented **JWT-based authentication** and role-based access control with cookies for session management.
- Set up a **real-time leaderboard**, updated every 5 minutes during contests, leveraging **MongoDB aggregation** for efficient data processing and the **Child Process module** for executing code in multiple languages (C++, Java, Python).
- Utilized **Docker** for containerization to enhance security and deployed on **AWS EC2** for scalability and isolation.

•Responsive Personal Portfolio Website 🏆

July'24

Built a responsive portfolio website to showcase skills, projects, and achievements.

- Designed a user-friendly interface using **React** and **CSS**, ensuring responsiveness and cross-browser compatibility.
- Integrated **EmailJS** for seamless form submission directly to email.
- Technologies: **React**, **CSS**, **EmailJS**.

CERTIFICATIONS

–Accelerator Programming Camp by AlgoUniversity (backed by Y-Combinator)

April'24

Learned how to build **scalable systems**, handle **deployments**, and gained **industry-level** work experience.

- * Selected in the top **1.4% out of 40,000** students who applied. Mentored by senior engineers from **Apple**, **Google**, **Grab Singapore**, and **Alphagrep Singapore**.
- * Mastered **data structures and algorithms** and core computer science subjects like **OOP**, **Computer Networks**, **DBMS**, and **Operating Systems**.
- * Built web development projects to apply learned concepts.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, JavaScript

Technical Skills: Data Structures and Algorithms (DSA), DBMS, OOP, Operating Systems (OS)

Developer Tools: Visual Studio Code, Git, GitHub, Postman

Frameworks and Libraries: MERN Stack (MongoDB, Express.js, React, Node.js)

Cloud Platforms: AWS (EC2, ECR) basics

Soft Skills: Problem-Solving, Collaboration

POSITIONS OF RESPONSIBILITY

*Additional Secretary, FITNESS CLUB, NITW

Apr'2024

- Played a key role in event planning and promotion, ensuring smooth operations and high attendee engagement.
- Designed visually engaging posters using **Canva** to attract viewers.

*Workforce, SPRINGSPREE'23, NITW

Apr'2023

- Contributed to organizing and managing 15+ events and ensuring a successful execution.
- Assisted in the design and implementation of promotional materials to enhance event visibility.

*Volunteer, SCHEMCON-2022, NITW

Sept'2022

- Supported the organization of workshops, seminars, and technical presentations, contributing to smooth event operations.
- Fostered a conducive environment for knowledge exchange and networking among over 500+ participants.