



ARUN KUMAR SUTHARI

Roll No.: 21MEB0B62

Bachelor of Technology

Mechanical Engineering

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🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

- **National Institute of Technology, Warangal** 2021-25
B.Tech in Mechanical Engineering and Minor in Computer Science Engineering CGPA: 9.28
- **Narayana Junior College** 2019-21
Board of Intermediate Education, Telangana Percentage: 98
- **Krishnaveni High School** April 2019
Board of Secondary Education, Telangana CGPA: 9.8

EXPERIENCE

- **Fractal Analytics** May - July 2024
Cloud and DataTech Intern
 - Tools & Technologies: Django REST Framework, ReactJS, CodeceptJS, GitLab, Burp Suite, PgAdmin, Ant Design
 - Worked on a GenAI-based Cloud Migration and Rationalization Workbench
 - Applied Full Stack web development skills to resolve 80% of VAPT issues, including privilege escalation, parameter pollution, and session-based login vulnerabilities.
 - Automated testing of four primary pages, achieving 100% test coverage using CodeceptJS.
 - Implemented a conceptual help feature, utilized in 5-6 team demos, enabling the webpage to assist with demos via a clickable video icon.
- **Support Structures for 3D-Printing** May - July 2023
Summer Research Intern, NITW
 - Tools & Techniques used: MATLAB, RRT, PRM, Dijkstra's Algorithm
 - Developed an algorithmic solution using MATLAB for optimizing support structures in 3D printing processes. The primary objectives were to minimize material usage and reduce print time, enhancing the efficiency of the overall printing process.

PERSONAL PROJECTS

- **E-Commerce Web Application** 2023
Full-Stack Web Development Project
 - Tools & Technologies used: React, Django, HTML, CSS, JavaScript
 - Designed and implemented a complete e-commerce application with a full-stack architecture.
 - Initially developed using Django template language; transitioned to a React frontend.
 - Applied database management skills to create and manage a comprehensive e-commerce database.
 - Implemented core features such as user registration, product management, and user authentication.
- **Other Projects:**
 - **Gemini Clone:** Integrated the Gemini API key into a replica of the Gemini platform with similar functionality.
 - **Hostel Issue Resolver (DBMS Project):** Database management system for managing and resolving hostel-related issues.
 - **Instant Insights:** A sleek website that pulls daily news from an API and redirects users to full articles.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Python, JavaScript

TechStacks/Frameworks: Django, Git/github, HTML, CSS, MySQL, PostgreSQL, ReactJS, VSCode, Gitlab

Soft Skills: Problem Solving, Creativity, Collaboration, Critical Thinking, Communication

Coursework: Principles of Database Systems, Data Structures and Algorithms, Operating Systems

Hobbies: Playing Badminton, Cooking

ACHIEVEMENTS

- **Institute Merit Certificate** in second year and third year. 2023,24
- Solved 500+ Problems on Various Coding Platforms and Earned 4 badges on Leetcode.
- Achieved five stars in C++ on HackerRank.

CODING PROFILES

- **Leetcode**
- **GeeksForGeeks**