ADITHYA GONEPALLY

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Github   LinkedIn

SKILLS

Languages: C, Python, Java, HTML, CSS, Javascript
Technologies: Mysql, Linux/Unix Tools: Pycharm, VS Code, Git, Eclipse
Other Skills: Data Structures and Algorithms, Operating System, DBMS, Unix/Linux

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PROJECTS

Source Code Plagiarism Detection Tool │ Role - BackEnd Dev   **SEP 2024 - NOV 2024**

- Developed a plagiarism detection tool using cosine similarity and Abstract Syntax Tree (AST) analysis, achieving 85% accuracy in identifying code similarities across 50+ test cases (Python, Java, C++).
- Built a Streamlit-powered web application that allowed users to upload, execute, and analyze code, reducing manual code comparison time by 30% for users.
- Preprocessed 500+ lines of code per submission to ensure accurate comparisons and eliminate false positives.
- Implemented a MySQL database to store and retrieve code submissions, improving query response time by 30%.
- Delivered comprehensive plagiarism reports, including similarity ratings and matching highlights.
- Tested the tool on a dataset of 600+ code samples, achieving a 88% detection rate for plagiarized content.
- **Key Technologies:** Pycharm, MySQL

Task Scheduling Application │ Role - Front-end Dev   **JUN 2024 - JUL 2024**

- Developed a responsive task management web app using React.js, enabling 50+ active users to create, edit, and prioritize tasks with real-time updates.
- Implemented drag-and-drop task organization and priority tagging, reducing average task management time by 30% based on feedback from 20+ beta testers.
- Optimized UI performance by 25% (measured via Lighthouse) through code-splitting and lazy loading of components.
- Collaborated with a 3-member team to integrate a RESTful backend API, achieving 85% success rate in CRUD operations during testing.
- Reduced app load time to <2 seconds by caching frequently used data.
- **Key Technologies:** HTML, CSS, Javascript

EDUCATION

ACE ENGINEERING COLLEGE (B.TECH)   **AUG 2021 - JUL 2025**
Computer Science and Engineering   **(CGPA: 8.6/10)**
- Specialization in Artificial Intelligence

CERTIFICATIONS

- **Cisco**: CLA Programming essential in C, PCAP Programming essentials in Python
- **UiPath**: Automation Explorer
- **Salesforce**: Salesforce Developer Virtual Internship

ADDITIONAL ACTIVITIES

- Participated in a 2-week hackathon conducted by our college, Acted as a UI designer and developer, and won an honorable mention as a Best UI Design.
- Contributed to my college website by fixing UI bugs and enhancing user engagement.