DILEEPKUMAR ADARI

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Profile

A dedicated Full Stack Developer skilled in designing and implementing web solutions from front-end to back-end. Passionate about clean code, human interaction, and applying design thinking principles to create intuitive and user-friendly applications. Currently pursuing honors in UI/UX design, human-centered design, and design thinking.

Experience

Software Intern (Virtual Labs)   **January 2024 - April 2024**
- Collaborated on the development of a VS Code Web Extension for a Virtual Labs Authoring Environment using a tech stack that included TypeScript, Webpack, and various APIs.
- Engaged in continuous meetings with clients, honing my ability to interact effectively, gather valuable feedback, and understand the project process flow comprehensively.

Undergraduate Researcher (SERC lab, IIITH)   **April 2024 - Present**
- Conducting research under Dr. Raman Saxena focusing on human-centered design and design thinking methodologies.
- Completed a summer project that provided valuable insights into gathering user opinions/problems on present existing Institute Management system and applying them to design effective, user-friendly solutions.

Web Admin (IT Office IIITH)   **January 2024 – Present**
- Maintaining and updating university websites under the supervision of the IT Office, creating & designing new web pages for events and announcements.

Tech Team - Club Council & Student Life Committee (IIIT Hyderabad)   **October 2023 – Present**
- Maintaining clubs websites and servers, Adding new features to improve user engagement and experience, providing technical support for club activities and events.

Education

International Institute of Information Technology, Hyderabad   **Gachibowli, Hyderabad**
B.Tech in Computer Science & Engineering - 6.81 CGPA (current)   *2022 - Present*

Courses: Data Structures and Algorithms, Operating Systems and Networks, Design and Analysis of Software Systems, Algorithm Analysis and Design, Computer Systems Organization, IoT, Embedded Systems Workshop, Intro to Information Security, Computer Graphics, Data and Applications, Machine Learning, Data Learning

Rajiv Gandhi University of Knowledge Technology   **Etcherla, Srikakulam**
Pre University Course - 9.35 CGPA   *2020 - 2022*

Prasanthi Nikethan M.V.V.S Murthy ENG MED High School   **Anakapalli, Visakhapatnam**
SSC - Andhra Pradesh - 10 CGPA   *2008 - 2020*

Skills

Languages: Python, JavaScript, C, C++, PHP, TypeScript
Backend: Django, Flask, Next.js, Node.js, Express.js
Frontend: React, jQuery, TailwindCSS, HTML, CSS, Bootstrap
Clouds & Databases: MySQL, MongoDB, Firebase, SQLite
Web Technologies: Docker, Nginx, Apache, Wordpress
Developer Tools: Postman, VsCode, Git, GitHub, GitLab, Trello
Other Skills: Collaboration, Networking, Leadership

Known Languages
English, Telugu, Hindi

Interests / Hobbies
Listening Music
Exploring Technology
Reading Epics.

Projects

VsCode Web extension (Team Project)   **Source Code - WebLink**
The Virtual Labs Online Experiment Authoring Environment is a web-based Experiment Authoring environment designed to facilitate the authoring and creation of virtual experiments.

Network File System (Team Project)   **Source Code - Execution**
Developed a fault-tolerant distributed file system with TCP sockets and POSIX C.

Smart Crop/Plant Monitoring (Team Project)   **Source Code - WebLink**
Created Greenplant, a user-friendly website offering real-time plant condition information via sensor data.

Smart PowerGrid (Team Project)   **Source Code - WebLink**
IoT project for energy-saving grid management with sensor deployment, data visualization, and appliance control.

Blog Website   **Source Code - WebLink**
ADKBlogs is a website in which blogs can be posted and can be configured in different categories.

Other Projects   **GitHub**
Includes Enhanced Xv6 Shell, Music Mania, Facebook clone, Digital Library, Attendance Management System, Split bill, Stop Watch, and Authentication System.