Dileepkumar Adari

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Experience & Responsibilities

Software Intern (Virtual Labs) — **January 2024 - April 2024**
- Developed a VS Code Web Extension for Virtual Labs using TypeScript, Webpack, and various internal APIs of VsCode, resulting in a tool which has over 1000 students as users.
- Interacted with clients every 5 days to gather feedback and refine the project, gaining valuable industrial experience.

Undergraduate Researcher (SERC lab, IIITH) — **April 2024 - Present**
- Conducting research under Dr. Raman Saxena, focusing on human-centered design and design thinking methodologies to provide 100% User Satisfaction.
- Gathered user opinions on the Institute Management System and designed user-friendly solutions, improving user satisfaction by 30% within 3 months.

Web Admin (IT Office IIITH) — **January 2024 – Present**
- Maintaining and updating university websites which have 1000+ users, creating web pages for events and announcements, improving site accessibility.

Tech Team - Club Council & Student Life Committee (IIIT Hyderabad) — **October 2023 – Present**
- Maintaining club websites and servers, adding features for better engagement, and providing support for event management, leading to a 2x productivity.

Education

International Institute of Information Technology, Hyderabad — **Gachibowli, Hyderabad**
*B.Tech in Computer Science & Engineering - Current CGPA: **6.81/10*** — *2022 - Present*

Rajiv Gandhi University of Knowledge Technologies — **Etcherla, Srikakulam**
*Pre University Course - CGPA: **9.35/10*** — *2020 - 2022*

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

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 (DBMS) , Machine Learning , Data Learning

Projects

VsCode Web Extension (`Team Project | Typescript, webpack, GitHub Api`) — **Source Code - WebLink**
Engineered a web-based experiment authoring environment facilitating the creation of virtual experiments, used by over 1,000 students and educators.

Network File System (`Team Project | C, Concurrency, Networking`) — **Source Code - Execution**
Built a fault-tolerant distributed file system with TCP sockets and POSIX C, ensuring data integrity and availability across 2 backup storage servers.

Smart Crop/Plant Monitoring (`Team Project | Flask, ThinkSpeak, OM2M`) — **Source Code - WebLink**
Created Greenplant, a website for real-time plant monitoring using sensor data and databases with 95% accuracy.

Smart PowerGrid (`Team Project | PHP, Js, OM2M, ThingSpeak`) — **Source Code - WebLink**
Made an IoT-based energy-saving grid management system with sensor deployment, data visualization, and appliance control, reducing energy consumption by 15%.

Blog Website (`NextJs, Prisma, Mongodb`) — **Source Code**
Created ADKBlogs, a website for posting and categorizing blogs into 6 categories allowing users to segregate blogs.

Others — **GitHub**
Deployed 2 Portfolio Websites, Simple Shell, Enhanced Xv6 Shell, Music Mania, Facebook clone, Digital Library, Attendance Management System, Split bill, Stop Watch, and Authentication System.

Skills

Microsoft PowerPoint, Excel, Word, Latex, ReadMe
Python, PHP, C, C++, JavaScript, TypeScript, HTML, CSS
MySQL, MongDB, Graphql, Node Js, Next Js, React Js
Wordpress, Docker, Nginx, Apache, FastApi, Firebase, git
Linux, OM2M, Postman, Design Thinking, Microservices, Testing
Soft Skills: Collaboration, Networking, Teamwork, Problem-solving

Known Languages

English, Telugu, Hindi

Interests / Hobbies

Listening to Music
Exploring Technology
Reading Epics.

Achievements

Bharat Intern Certification in FullStack Development — **January 2024**
DevTown Certification in Web Development Bootcamp — **May 2022**
Shape AI Certification for python and Cyber Security — **June 2021**