Lakshman Karthick T

M.Sc. Software Systems (Integrated)

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CAREER OBJECTIVE

Passionate Software student with quick learning ability and driven by the urge to learn new technologies seeking for an challenging environment to learn and improve my knowledge and also to make ideal contributions to the company for achieving its goal of excellence.

PROJECTS

Storybook- Decentralized Story Sharing Application 🔗
Next JS, Solidity, Ethereum ,VS Code

Crafted Decentralized Storybook on Ethereum, facilitating story sharing, reading, and funding via smart contracts. Implemented user-friendly features such as liking and funding stories. Ensured data transparency and security by leveraging blockchain storage and smart contracts. Utilized Solidity, Next.js, ethers.js, IPFS, and Truffle for seamless development

Jabber - Public Discussion Forum 🔗
React JS, Node JS, Express, Mongo DB, Firebase, VS Code

Developed a project facilitating user discussions on trending topics via Google Authentication. Enables exchange of text, image, and emoji messages with the option to create new chats. Implemented using the MERN Stack (MongoDB, Express.js, React.js, Node.js).

Advanced Solar Tracking and Irrigation system (IOT) 🔗
Arduino, NodeMCU, Blynk, Sensors(LDR, Temperature and Humidity, Servo motor, Soil moisture),Solar Panel, Water Pump

Developed an advanced solar tracking system and automatic sprinkler irrigation system. The solar tracking system will dynamically adjust the position of solar panels to maximize energy absorption throughout the day. The irrigation system will automatically water crops based on soil moisture, temperature, and humidity levels, ensuring optimal growth conditions.

PROFESSIONAL EXPERIENCE

Web Developer
Satyukt Analytics Pvt. Limited
06/2023 – 11/2023 | Bangalore
Contributed in the development of the 'Sat2Farm', emphasizing real-time crop monitoring features for an enhanced user experience. Implemented dynamic elements to ensure up-to-the-minute insights into crop conditions and growth. Designed an intuitive and responsive frontend interface for 'Sat2Farm', integrating user-friendly controls and interactive visualizations to empower users with seamless access to critical crop data.

Technology Used - *React JS, Python*

SKILLS

Programming Languages
C, C++, Python

Web Technologies
HTML, CSS, Javascript

Frameworks
React JS, Next JS

Backend
MySQL, MongoDB, Flask

INTERESTS

- Web Development
- OOPS
- System Design
- Data Structures
- DBMS

EDUCATION

M.Sc. Software Systems (Integrated)
Coimbatore Institute Of Technology
2020 – 2025 | Coimbatore
Current CGPA : 8.93% (Till 8th Semester)

Grade 12 - 82.8%
G Ramasamy Naidu Matric. Hr. Sec. School
2019 – 2020 | Coimbatore

Grade 10 - 97.2%
G Ramasamy Naidu Matric. Hr. Sec. School
2017 – 2018 | Coimbatore

CERTIFICATES

- Quantum Hackathon 2022 - Winners 🔗
- Qiskit Localization Contributor - Silver Level Translator- 2021 🔗

COURSES

Mastering System Design 🔗
Udemy

Data Structures And Algorithm Using C and C++
Udemy

Python Programming 🔗
Simplilearn