Tulasidhar Mulakaluri

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Experience

Software Developer Intern, Optival Health Solutions (MedPlus), Hyderabad   Jul 2025 – Present
- Undergoing extensive training in Java Core, Java Advanced concepts, Spring, and Spring Boot.
- Working on industry-grade applications developed in-house by Med Plus, used by 4,230+ Med Plus pharmacy stores across 600 cities.
- Gaining knowledge of full-stack enterprise software development workflows.

React Developer, NCOG Earth, Remote   Jan 2025 – May 2025
- Integrated CRYSTALS Post-Quantum cryptography libraries into a React and TypeScript crypto wallet, enhancing security against quantum computing threats by 100%.
- Implemented a seed phrase-based key system for Post-Quantum Algorithms, reducing average key recovery time by 50%.
- Collaborated with fellow interns and employees using Git for version control.
- Technologies: React, TypeScript, Kyber, Dilithium, WebAssembly.

Projects

Healthy Foods (Freelance Project)   Visit Site 🔗
- Designed UI/UX in Figma and implemented using React and CSS modules.
- Integrated Instagram feeds, boosting social media-driven traffic by 20%.
- Validated responsive design across 12 device resolutions, improving UX and accessibility.

Quantify – Oversimplified Calorie Tracker   Jan 2024 – Feb 2024
- Built to simplify food tracking compared to existing apps using React, MongoDB, and an Express backend.
- Created Express APIs and middleware, optimizing API response times by 30% when compared to previous Spring APIs.
- Improved website loading speed by 30%.
- Styled the entire application with custom CSS3 modules to avoid CSS overflow.

Certificates

FullStackOpen: Built single page apps with ReactJS and REST APIs using Node.js.

AWS Cloud Practitioner: Learned about a wide range of AWS services including Lambda, S3, EC2, and gained hands-on experience through practical exercises.

Education

Koneru Lakshmaiah University, B.Tech in Computer Science Engineering (Honors)   Aug 2021 – May 2025
- CGPA: 9.2/10
- Specialized in UI/UX Development

Technical Skills

Languages: JavaScript, TypeScript, C++, Java
Frameworks: MERN, Express.js, Spring Boot
Tools: Git, WebAssembly, Figma, AR/VR Unity, Blender
Cloud: AWS Cloud
Software Engineering: Agile methodology, Unit Testing