SURYA K
S O F T W A R E   D E V E L O P E R

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PROFESSIONAL SUMMARY

Versatile and result-driven Full-Stack Developer with practical expertise in web and mobile application development. Proficient with the MERN stack, Python, Java, PHP, and cross-platform tools such as React Native and Flutter. Skilled at creating solid backend systems using MySQL and MongoDB. Demonstrated ability to provide entire software solutions from design to deployment. I'm passionate about creating scalable, user-centric applications with clean, maintainable code.

RELEVANT EXPERIENCE [COLLEGE CLUBS]

CYBERNERDS KARE & OWASP KARE STUDENTS CHAPTERS   July 2024 - Present

Interactive Certificate Generator - ICG

- Created a full-stack web application to address inefficiencies in manual certificate design, allowing educators and organizers to generate unique certificates using an interactive canvas that includes drag-and-drop text, real-time font adjustment, and undo/redo features.

- Implemented bulk PDF production from Excel uploads and automated email delivery utilizing React, Node.js, Express, Canvas, and Render hosting, as well as responsive design for seamless desktop/mobile use.

PROJECT EXPERIENCE

Faculty Finder

- Faculty Finder is a cross-platform application designed to help students quickly locate faculty members on campus by searching with name, department, or specialization. It features a user-friendly interface with searchable dropdowns, responsive design, and real-time data from a MySQL database. Built using React.js, React Native, and Java Swing, it streamlines the process of finding available faculty without any confusion or delay. **view work**

Green Connect

- Developed a full-stack agricultural marketplace web application where farmers can post products, and customers or other farmers can browse, filter, and request items. The system includes a booking and request approval process with a built-in, web-based OTP verification step to ensure secure in-person product exchanges. Both buyer and seller receive downloadable confirmation after a deal is finalized. Built using Node.js, Express.js, MongoDB, EJS, and vanilla JavaScript/CSS for a fully responsive user experience. **view work**

Chat Room

- Implemented a basic server-client architecture in Python to understand real-time communication flow. Developed a simple chat interface with socket programming to handle message exchange. Integrated SSL/TLS to explore secure data transmission practices. Focused on learning core concepts of networking, concurrent connections, and encryption. Built with minimal dependencies to emphasize functionality and protocol understanding. **view work**

SKILLS

- **Languages:** Python, Java, JavaScript, PHP, C/C++, SQL
- **Web:** HTML, CSS, React.js, Node.js, Express.js, REST APIs
- **Mobile:** React Native, Flutter, Android Studio

- **Databases:** MySQL, MongoDB
- **Tools/Tech:** Git, Firebase, XAMPP, JWT, JSON
- **Concepts:** Full-Stack Dev, Server-Client Model, Socket Programming, Secure Transmission
- **Experienced OSs:** Windows, Linux

EDUCATION   Sep 2022 - Present

Bachelor of Technology. Computer Science

- Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Tamil Nadu, India - 626126.