LAKSHMIPRIYA RAMESH

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EDUCATION

Sri Venkateswara College of Engineering   **CGPA: 9.1**
Bachelor of Engineering in Computer Science   *Nov. 2020 – May 2024*

Velammal Vidhyashram   **Percentage: 94.4**
Higher Secondary   *Jun. 2019 – Mar 2020*

EXPERIENCE

Associate Consultant   Aug 2024 – Present
Intellect Design Arena
- Built high-performance web app for a prominent European bank project using **Angular** and **Spring Boot**, improving user experience by 30%.
- Optimized code for maintainability and scalability, reducing technical debt by adhering to industry best practices.

Software Developer Intern   Feb. 2024 – Apr. 2024
Garuda
- Designed a **React Native** app for monitoring IoT smart bins, enabling real-time data tracking and notifications.
- Implemented secure access using **JWT**, ensuring data integrity and user privacy.
- Managed backend deployment on **MongoDB Cloud** and **Firebase** for optimal performance.

Software Engineer Intern   Feb. 2023 – Jul. 2023
Kriyadocs
- Developed backend components for ML projects using **Python Flask** and **PostgreSQL**, improving response times by 25%.
- Utilized **OpenAI API** to enhance author matching algorithms, boosting data accuracy.

PROJECTS

Reader's Junction | *Angular, Spring Boot, Spring Security, PostgreSQL, Docker*
- Developed a web application for managing book collections with secure user registration and book management.
- Implemented role-based access control using **Spring Security**, ensuring secure user authentication and data protection.
- Developed RESTful APIs in **Spring Boot** for CRUD operations, enabling dynamic data interaction.
- Containerized the application with **Docker**, facilitating easy deployment and scaling.

Playlist Porter | *React, Material-UI, Flask, Google APIs, Spotify API*
- Created an application to transfer playlists from **Spotify** to **YouTube**.
- Utilized **React** and **Material-UI** for a responsive user interface, enhancing user experience.
- Integrated **Spotify API** and **Google APIs** for fetching playlist data and managing user accounts via **OAuth 2.0**.

React-Data-Sync | *React, TypeScript, NPM*
- Developed an NPM package for efficient data synchronization in React applications.
- Implemented caching strategies and state management using hooks to enhance data fetching performance.
- Ensured type safety with **TypeScript**, leading to improved code reliability and maintainability.

ACHIEVEMENTS

- **Winner** of the **E-mind Hackathon** for developing a Fake Step Detection System (2022).
- **Finalist** in the 2023 **Smart India Hackathon** conducted by the Government of India and AICTE.
- Presented a paper on *"A Smart Fuzzy Metaheuristic Energy Optimization Framework for Wireless Sensor Networks"* at the 4th International Conference on AI and Smart Energy, March 2024, Coimbatore, India.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript
Frameworks: React, Angular, Flask, Node.js, Spring Boot
Developer Tools: Git, Docker, VS Code, IntelliJ, Eclipse
Databases: MySQL, PostgreSQL
Software Concepts: OOPS, Data Structures, Algorithms