

S Tharani Dharan

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SKILLS

Languages

: Java, HTML, CSS, JavaScript

Frameworks/Libraries

: React, TailwindCSS, Spring Boot

Databases

: MYSQL, MongoDB

Devops

: Git, GitHub, Docker

Tools/Platforms

: Ollama, Figma, HTTP, Message Queue (Kafka), Nginx, Redis

Soft Skills

: Problem-Solving, Team Player, Project Management, Adaptability

PROJECTS

E-Wallet | Spring Boot, MySQL, Kafka, Gradle-Kotlin | [Link](#)

March' 25

- Use Case:** Spearheaded the development of a Microservice-based e-wallet system where users can perform transactions and receive notifications, with Kafka enabling real-time communication between services.
- Features:** Developed four core microservices, UserService for handling user data, NotificationService for sending alerts, WalletService for creating wallet and account holding and TransactionService for handling transactions. Utilized Gradle-Kotlin for build automation and dependency management. Integrated Apache Kafka for efficient messaging between services and ensured high availability and scalability.
- Outcome:** Delivered a robust and scalable e-wallet system with real-time processing capabilities, allowing for easy future expansion by adding new microservices. Optimized communication flow through Kafka, ensuring reliability and performance.

Library Management System | Spring Boot, MySQL, Redis, Maven | [Link](#)

July' 24 - August' 24

- Use Case:** Engineered a Monolithic Library Management System, enabling students and admins to register, borrow books, manage returns, and facilitating fine collection for late returns.
- Features:** Streamlined with Spring Boot, utilizing MySQL for data persistence, Spring Data JPA for seamless interactions, Redis for caching, and Spring Security for authentication. Implemented REST APIs for CRUD, enhanced system efficiency through Redis caching, Unit Tested with Mochito
- Outcome:** Executed a secure and scalable library management system with optimized performance, efficient caching, and seamless user operations

Tinder AI | Spring Boot, MongoDB, Llama, Maven | [Link](#)

November' 24 - Decembert' 24

- Use Case:** Programmed a Tinder-like dating platform where users interact with an AI-driven persona powered by Llama, providing gender-specific responses. The system supports left swipes for dislikes, right swipes for matches, and seamless chatting with liked profiles.
- Features:** Designed the frontend with React for a smooth user experience and Spring Boot as the backend for efficient processing. Integrated MongoDB to manage user data and chat history, ensuring flexibility and scalability. Implemented Llama AI for intelligent, context-aware conversations that adapt to user input.
- Outcome:** Launched a dynamic, AI-powered matchmaking system with real-time chat capabilities. Optimized performance using efficient database queries and responsive UI interactions.

TRAINING

Sure Trust | Data Structures & Algorithms Intern (Ongoing)

December' 24 – Present

- Gaining in-depth knowledge of Data Structures and Algorithms (DSA) through hands-on problem-solving.
- Engaging in structured learning sessions to improve problem-solving skills and algorithmic thinking.
- Applying DSA concepts to optimize solutions and enhance coding efficiency.

CERTIFICATES

• [NPTEL](#) - Cloud Computing
 • [GeekforGeeks](#) - Java Backend Development
 • [JPMorgan Chase & Co](#) - Agile Job Simulation
 • [IBM](#) - Introduction to Web Development

October' 24
 September' 2024
 August' 24
 April' 24

EDUCATION

Lovely Professional University
 Bachelor of Technology
 Computer Science and Engineering: CGPA: 7.69

Punjab, India
 September' 22 – Present

Sainik School Amaravathi Nagar
 12th with Science — Percentage: 84.4%

Tamil Nadu, India
 June' 20 – April'21

Sainik School Amaravathi Nagar
 10th with Science — Percentage: 86.6%.

Tamil Nadu, India
 June' 18 – April'19