

Guna M

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EDUCATION

St Joseph's Engineering College Thanjavur

BE in Computer science
Expected May 2024
CGPA: 7.52 /10.0

GHS School

Thanjavur

Computer Science
Higher Secondary | May 2020

LINKS

Github:// [guna_asin](#)
LinkedIn:// [Guna M](#)
Projects:// [GunaMurugesan](#)
CodePen:// [Guna](#)

EXPERINCE

PANTECH -React.js Internship

Completed a one-month internship in **React.js** development, gaining hands-on experience in building dynamic and responsive web applications. Worked on state management, reusable **components**, and **API** integrations to improve user experience.

TAP ACADEMY

Java Full-Stack Development

Completed a six-month **Java** Full-Stack development course, covering **Spring FrameWork**, **Hibernate** and **MySQL**. Built scalable web applications with a focus on performance optimization and secure authentication..

SKILLS

PROGRAMMING

- Java • JavaScript • CSS • HTML
- MySQL • PostgreSQL • JDBC
- Spring Framework • Hibernate
- Tailwind • Chakra UI • Docker
- Git & GitHub • REST APIs
- WebSockets

ABOUT ME

I am a Full-Stack Developer. Passionate about building high-performance, scalable applications, I continuously explore new technologies to enhance my skills.

PROJECTS

Yum Zoom | Food Delivery Full-Stack Web App | [\[Live Link \]](#)

- Designed and implemented a **real-time** order tracking system using **WebSockets**.
- Built a high-performance backend with **Spring Boot**, **Hibernate** & **PostgreSQL**, optimizing **API** response times.
- Integrated **Spring Security** & **JWT** authentication for secure user access and role-based authorization.
- Implemented a secure payment gateway, integrating third-party payment provider(**Stripe**) and supporting multiple payment methods..
- Developed an intuitive UI using **Vanilla JavaScript** (Component-based Multi-page Architecture)
- Implemented **debouncing** techniques in search and input fields to **enhance performance** and reduce API calls.

Amazon Clone | Full-Stack E-Commerce Platform | [\[Live Link \]](#)

- Engineered a scalable e-commerce backend using **Spring Boot**, **Hibernate**, **PostgreSQL** handling user authentication with **Spring Security** & **JWT**.
- Integrated a secure payment gateway (**Stripe**).
- Designed a robust cart system, ensuring each customer has a persistent cart.
- Led backend development, optimizing **API** performance and database queries.
- Developed an intuitive UI using **vanilla JavaScript** and **Responsive UI** for seamless mobile & desktop experience

Coding Game | Game-Based Learning Platform | [\[Live Link \]](#)

- Developed an interactive **coding challenge** platform to **enhance learning** through gamification.
- Built a custom game engine for problem-solving exercises using **JavaScript**.
- Integrated **Monaco Editor** as the in-browser **code editor**, providing syntax highlighting, autocompletion, and real-time error checking.
- Designed a **responsive UI** with dynamic problem-solving scenarios using **React** & **chakra ui**.
- Created detailed code **explanation videos** covering key algorithms, problem-solving approaches, and system architecture. Videos hosted on **Drive**

PARTICIPATION

IETE Web Design Contest

Jan 2023 | [\[Live Link \]](#)

- Designed an innovative **UI/UX**-focused website for the contest.
- **Passed three selection rounds**, receiving a certificate of participation.
- Strengthened skills in responsive design & user experience.

PRESENTATION

Game-Based learning (Kings Engineering College)

- Presented a **game-based learning** project focused on interactive education.
- Demonstrated gamification techniques to enhance student engagement.
- Highlighted the potential of technology-driven education solutions.