Thadavarthi Shanmukha Sri Sai Venkat

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Codeforces: Shanmukh18 | shanmukha-thadavarthi-portfolio | LeetCode: Shannu05

EDUCATION

B.Tech in Computer Science and Engineering   2022 – 2026
Vellore Institute of Technology, Vellore   *Vellore, Tamil Nadu*
- CGPA: 8.83

Class XII   2021 – 2022
Sri Chaitanya Jr College, Board of Intermediate Education Andhra Pradesh   *Bapatla, Andhra Pradesh*
- Percentage: 94.1%

Class X   2019 – 2020
Sri Chaitanya High School, Board of Secondary Education Andhra Pradesh   *Bapatla, Andhra Pradesh*
- Percentage: 97.8%

PROJECTS

ViOLA | *Spring Boot, React, PostgreSQL*   February 2025 – June 2025
- Implemented RESTful APIs with JWT authentication and Google OAuth2 integration for secure access
- Built in-app real-time chat functionality using WebSocket (STOMP over SockJS) with automatic reconnection, enabling instant messaging
- Implemented unread message notifications with persistent message storage
- Link: viola-frontend-plum.vercel.app

UniBuy | *Spring Boot, React, PostgreSQL*   December 2024 – January 2025
- Developed a full-stack e-commerce web application using Spring Boot for backend services and React for the frontend user interface, deployed on cloud platforms Render and Vercel.
- Designed and implemented CRUD operations for products, users, orders, and shopping cart functionality using Spring Data JPA with PostgreSQL as the relational database, implementing proper entity relationships and data validation.
- Integrated JWT-based authentication using Spring Security for secure user sessions, supporting both customer and admin roles with method-level authorization, and implemented stateful features like shopping cart and order processing using React Context API and Axios for client-server communication.
- Link: unibuy-six.vercel.app

VIT GPA Calculator | *React*   September 2024 – September 2024
- Developed a responsive React.js web application using modern JavaScript to create an interactive Grade calculator with dynamic form management
- Implemented component-based architecture with React hooks (useState, useEffect) to build user-friendly interfaces including dual calculator modes, dynamic course and semester addition
- Link: vit-gpa-calculator-six.vercel.app

LetsChat | *Java*   July 2024 – August 2024
- Developed a chat application using Java Socket Programming and multithreading concepts of Operating Systems.
- LetsChat is a multithreaded client-server based chat application with text interface where users can connect to the server and can either broadcast their message on the server or send a private message to a specific user.
- Link: github.com/Shanmukha18/LetsChat

TECHNICAL SKILLS

Languages: C/C++, Java, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: Spring Boot, React, Hibernate ORM
Developer Tools: Git, Docker, IntelliJ IDEA
Course Work: Object Oriented Programming, Operating Systems, Computer Networks, DBMS

ACHIEVEMENTS AND EXTRACURRICULAR

- Senior Core Android App Developer at ADG a technical student club in VIT, Vellore.
- Attained a maximum LeetCode Contest rating of 1436, demonstrating proficiency in competitive programming.
- Reached a maximum Codeforces rating of 1086, demonstrating proficiency in competitive programming.