

EDUCATION

Vellore Institute of Technology Bachelor of Technology in Information Technology (9.08) Coursework: DSA, DBMS	Vellore, India July 2021 - June 2025
Narayana Junior College Intermediate (MPC)	SR Nagar, India July 2018 - March 2020

EXPERIENCE

Vidrona <i>Software Engineering Intern</i>	Didcot, Oxfordshire (Remote) June 2024 - Present
<ul style="list-style-type: none">Developed an intuitive dashboard using ReactJS with reusable components to provide insights into asset system conditions, improving state management efficiency by 30% through the integration of Redux and react-query caching.Implemented a real-time alert system using Firebase Cloud Messaging to notify operators of abnormalities, enhancing response time and operational efficiency by 40%.Engineered a secure messaging widget using Socket.io, Node.js, and JWT authentication, facilitating seamless interaction between field operatives and executives, enhancing communication efficiency by 50%.Developed a React component toolkit with over 30 customizable options, facilitating the product owners and developers to autonomously create diverse projects, reducing developer involvement and time by 90Utilized Redis for caching SQL query results and implemented RabbitMQ for message queuing, leading to a 40% reduction in response times under high loads.	

PROJECTS

InventoryIQ Online shopping platform for Gadgets <ul style="list-style-type: none">Built InventoryIQ, an online shopping platform for gadgets using ReactEngineered the backend using Node.js and Express.js, resulting in a 50% improvement in server response times.Implemented token-based user authentication and Role-Based Authentication, enhancing security and reducing unauthorized access by 70	(GitHub)
IChat- Real-Time Encrypted Chat & Voice Platform MERN Stack <ul style="list-style-type: none">Developed a chat application supporting real-time messaging, group chats, and voice and video calls, achieving 40% faster communication using Socket.io and Firebase for real-time notifications.Implemented Diffie-Hellman encryption for secure communication.Deployed using Docker containers on AWS with auto-scaling, load balancing, and CI/CD pipelines via GitLab.	(GitHub)
Personal Finance Tracker <ul style="list-style-type: none">Developed a Personal Finance Tracker using React.js, enabling users to manage expenses through interactive pie charts.Designed a dynamic 3D homepage with Three.js, enhancing user engagement and visual appeal.Implemented a scalable backend using Node.js, Express, and MongoDB, ensuring efficient data management and secure storage.Integrated real-time expense tracking, categorization, and analysis, offering users actionable financial insights.	(GitHub)

SKILLS

Languages: Java, Javascript, Node.js, HTML, CSS,
Libraries& Frameworks: : React,Redux,jQuery ,CI/CD, Tailwind,Material-UI,Rabbit MQ,Socket.io & MQTT, REST API
Software: Postman, Chrome DevTools, Jira, Nginx, Figma, Visual Studio Code, TCP/IP
Databases & Tools: SQL,MongoDB, Redis, Docker, Excel, Jenkins, Git, GitLab, Agile model

CERTIFICATIONS

<ul style="list-style-type: none">MERN Full StackData Structures And Algorithms	Certificate Certificate
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Extra Curricular Activities

Zero Waste Management Club <i>Vice Chairperson</i>	Certificate January 2023 - December 2023
Hackathon <i>Achieved next to runner-up position in the CodeForChallenge web development hackathon by developing a platform that promotes financial literacy across different age groups. The project included innovative budgeting tools and investment recommendations for Fixed Deposits, Mutual Funds, and Stocks based on historical performance.</i>	VIT, vellore