Rithik Sharon A

MERN Stack Developer

Chennai, Tamil Nadu, India
 +91 93608 12245
 rithiksharon.a@gmail.com
in rithik-sharon
 Rithik-Sharon-A

Summary

MERN Stack Developer with a strong foundation in building scalable, responsive web applications using React, Node.js, Express, and MongoDB. Specializing in Agentic AI and OpenAI APIs to automate complex workflows and improve user experiences.

Technical Projects

Agentic AI Digital Twin & MERN Portfolio System

Integrated an autonomous AI representative with a modern web portfolio to showcase technical expertise.

- Developed a digital twin using a custom Agent Framework and OpenAI API for conversational interactions.
- Implemented function calling for dynamic tool usage and professional persona definition.
- Built a responsive portfolio using React.js and Framer Motion for engaging UI animations.

Python, OpenAI API, React.js, Node.js, Express, MongoDB, Framer Motion, Vite

Full-Stack MERN E-commerce Platform

Developed a feature-rich e-commerce application with secure authentication and real-time management.

- Implemented secure JWT-based authentication with bcrypt for robust password hashing.
- Built a RESTful API for dynamic product searching, filtering, and pagination.
- Managed global state using Redux Toolkit for persistent cart functionality and user sessions.
- Designed a mobile-first UI with Tailwind CSS and integrated a simulated payment gateway.

MongoDB, Express.js, React.js, Node.js, Redux Toolkit, Tailwind CSS, JWT, Bcrypt

Technical Skills

Languages	JavaScript (ES6+), HTML5, CSS3, Python
Front-End	React.js, Next.js, Tailwind CSS, Responsive Design, Vite
Back-End	Node.js, Express.js, Bcrypt, API Handling
Databases	MongoDB
Tools & VC	Git, GitHub, VS Code, Cursor AI
Agentic AI	LLMs, Prompt Engineering, Agent Frameworks, Autonomous Agents
Implementation	OpenAI API Integration, Function Calling / Tool Use

Education

2021–2025	**Bachelor of Technology (B.Tech), ECE**, *SASTRA Deemed University*, Thanjavur
2020–2021	**Senior Secondary School (Class XII)**, *SBIOA Senior Secondary School*, Trichy