

Arockia Jones C

Full-stack Developer

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Professional Summary

MERN Stack Developer and B.Tech (ECE) graduate with hands-on experience in architecting scalable full-stack applications using MongoDB, Express.js, React.js, and Node.js. Developed and deployed a production-ready e-commerce platform with JWT authentication, Stripe payment integration, RESTful APIs, Cloudinary image management, and MongoDB Atlas. Proficient in Tailwind CSS, Axios, Git, and API integration. Passionate about writing clean, secure, and optimized code while continuously learning modern web technologies.

Technical Projects & Experience

Forever – Full-stack MERN E-commerce Application

[\[Live Demo\]](#)

- Engineered a production-ready e-commerce platform with secure authentication, Stripe integration, and administrative tools.
- Architected RESTful APIs using Node.js and Express, enhancing backend efficiency by 30% via optimized middleware logic.
- Implemented secure JWT-based authentication to protect sensitive user data and secure all API endpoints.
- Integrated Stripe API for financial transactions, including server-side order verification and web-hook processing.
- Crafted a fully responsive UI using React.js and Tailwind CSS, ensuring 100% cross-device compatibility.
- Leveraged Cloudinary for media optimization and MongoDB Atlas for highly scalable cloud-based data storage.
- Constructed an advanced admin dashboard to manage product inventory, track orders, and update shipping status.

Technologies: React.js, Node.js, Express.js, MongoDB Atlas, JWT, Stripe, Cloudinary, Tailwind CSS, Axios, Vercel

Personal Developer Portfolio

[\[Live Demo\]](#)

- Designed a responsive professional portfolio using modular React architecture to highlight technical expertise.
- Enhanced performance and SEO metrics using Vite, achieving high Lighthouse scores and sub-second load times.
- Integrated functional contact system with client-side validation and deployed via Vercel for global availability.

Technologies: React.js, Tailwind CSS, JavaScript (ES6+), Vite, Git, Vercel

Technical Skills

Languages	JavaScript (ES6+)
Frontend	React.js, React Hooks, React Router, Redux Toolkit, Tailwind CSS, Vite, HTML5, CSS3
Backend	Node.js, Express.js, EJS (Server-Side Rendering), RESTful APIs, JWT, Middleware, MVC
Database	MongoDB, MongoDB Atlas, Mongoose, Aggregation, Pagination, Indexing
Security	bcrypt, CORS, Protected Routes, Role-Based Access Control (RBAC)
Payments	Stripe API, Cloudinary, Vercel Deployment, Render
Tools	Git, GitHub, Postman, VS Code, Linux

Education

2021–2025 **B.Tech**, *Electronics and Communication*, SASTRA Deemed University, Thanjavur

2019–2021 **HSC**, *Science and Mathematics*, St. James Matriculation Higher Secondary School, Trichy