

# Durai Raja

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## SUMMARY

Full Stack Developer with 3+ years of experience specializing in MERN, MEAN (AngularJS), and Java technologies. Skilled in building scalable and maintainable web and mobile applications with a strong focus on performance and user experience. Proficient in React, Node.js, TypeScript, MongoDB, and cloud integrations. Passionate about delivering clean, efficient code and innovative solutions. Portfolio to be found on: <https://durai-portfolio-omega.vercel.app>

## EXPERIENCE

### Senior Software Developer

Octoze Technologies Pvt Ltd – Chennai, India

February 2023 - Present

- Built a Job Portal in collaboration with NSDC to connect students and employers, promoting skill development.
- Developed frontend using React.js and backend RESTful APIs using Node.js and Express.js.
- Used MongoDB for managing user profiles, job data, and applications.
- Integrated real-time features like job alerts, skill assessments, and smart job recommendations.
- Designed and developed a Voluntary Deposit Scheme platform using AngularJS for student financial planning.
- Built secure backend with Node.js, Express.js, and Java; implemented encryption and real-time notifications.
- MongoDB used for storing financial data and user histories.
- Migrated the CAMU Teaching Management System to React.js for improved performance and scalability.
- Utilized React Bootstrap and React Router to modernize the UI.
- Connected backend with MongoDB to update course data, attendance, and results in real-time.
- Currently developing the Controller of Examination (COE) platform using AngularJS for managing exam workflows.
- Implements scheduling, result processing, and attendance management.

### Software Developer

Learn Sky Technology Pvt Ltd – Tamil Nadu, India

March 2022 – January 2023

- Built the company's official MERN stack website with features like service portfolios and client testimonials.
- Integrated backend APIs and MongoDB for dynamic data storage.
- Optimized the site for SEO, speed, and cross-browser support.
- Implemented responsive design to ensure seamless experience across desktop and mobile devices.
- Developed and maintained reusable React components to improve development efficiency.
- Collaborated with designers and stakeholders to refine UI/UX and align with business goals.
- Set up CI/CD pipelines to automate testing and deployment processes.
- Troubleshooted and resolved bugs and performance bottlenecks to enhance user experience.
- Documented technical specifications and user guides to assist the team and clients.

## PROJECTS

### Library Management System

- Built a MERN stack application for managing book inventory, user registrations, and transactions.
- Developed RESTful APIs using Node.js and Express.js to handle user authentication, book management, and transaction tracking.
- Integrated MongoDB to store and manage data related to books, users, and borrowing history with schema validation.
- Implemented user role-based access (Admin vs. Student) with secure authentication using JWT.
- Built admin dashboard for managing books, categories, and users with CRUD functionality.
- Technologies Used: React.js, Node.js, MongoDB.

### NEXARA – PERSONAL AI MOBILE APP

- Developed a cross-platform voice assistant app personalized with user data.
- Included voice recognition and AI-backed task execution.
- Trained the assistant on personal data to deliver customized and contextual responses based on user preferences and tasks.
- Integrated speech-to-text (STT) and text-to-speech (TTS) technologies for real-time conversational interaction.
- Technologies Used: React Native, Python, Chroma DB

## EDUCATION

### B.E. in Electrical and Electronics Engineering

Mahendra Institute of Technology, Trichengodu

2017 – 2021 | CGPA: 7.02

## CERTIFICATIONS

### Full Stack Web Development (6 Months Training Program)

Besant Technologies, Chennai.

## SKILLS

React.js, AngularJS, HTML, CSS, JavaScript, TypeScript, Bootstrap, Node.js, Express.js, Java, MongoDB, MySQL, React Native, Electron.js, Docker, Git, AWS, Webpack, Python, Chroma DB