

VASANTHAKUMAR DURAIRAJ

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 [vasanthakumar-durairaj](#) |  [MRVEERAA](#) |

Salem - 636030, Tamilnadu, India.

OBJECTIVE

Results-driven software developer and problem solver skilled in MERN stack, Python, and Java, with hands-on experience building scalable web applications, backend APIs, and data-driven solutions. Passionate about solving real-world problems and delivering high-quality, maintainable software in collaborative, innovative environments.

EDUCATION

- **B.E - Electronics and Communication Engineering** Aug 2020 - JUL 2024
R.P. Sarathy Institute Of Technology.
◦ CGPA: 7.589 Salem, Tamilnadu
- **HSC- State Board** Jun 2019 - Apr 2020
St. Joseph Higher Secondary School.
◦ Percentage: 63% Salem, Tamilnadu
- **SSLC- State Board** Jun 2017 - Apr 2018
St. Joseph Higher Secondary School.
◦ Percentage: 86.6% Salem, Tamilnadu

PROJECTS

- **HRMS Model Application (Full-Stack)** Live
Tools: React (Vite), Tailwind CSS, Node.js, Express, PostgreSQL
◦ Developed a complete **full-stack HR management system** with React (Vite) for the frontend and Node.js/Express for the backend.
◦ Built a modular and responsive **frontend** using React and Tailwind CSS with reusable components.
◦ Designed and implemented secure **REST APIs** for organization creation, employee CRUD operations, and team management.
◦ Integrated **PostgreSQL** to store organization details, employee records, team structures, and HR activity logs.
◦ Implemented **JWT-based authentication and role-based access control** for HR and employees.
◦ Added an **HR logs module** to track employee actions and administrative activities in real time.
- **NXT Watch** Source Code
Tools: React, Node.js, MongoDB
◦ **Engineered** a dynamic **frontend** with React and modular components.
◦ Developed **RESTful APIs** with **Node.js & Express** for video management, user data.
◦ **Configured** JWT authentication to secure user access and personalize content.
◦ Enabled **search, filters, and category-based content display** for improved user navigation.
- **Jobby App** Source Code
Tools: React, Node.js, MongoDB
◦ **Architected** a responsive frontend using React with dynamic routing.
◦ **Developed** backend REST APIs to manage user profiles, job postings, and applications.
◦ Integrated features like **job search, application tracking, and network management** to enhance user engagement.
◦ Established **authentication & authorization** using JWT, enabling role-based access for job seekers and employers.

SKILLS

- **Programming Languages:** JavaScript, Python, Java
- **Web Technologies:** HTML5, Tailwind CSS, CSS3, React.js, Node.js, Express.js
- **Database Systems:** MongoDB, PostgreSQL, MySQL
- **Cloud Technologies:** AWS
- **DevOps & Version Control:** Git, GitHub
- **Specialized Area:** Full-Stack Development, Backend Development, REST API Development, Responsive Web Design
- **Other Tools & Technologies:** VS Code, Chrome DevTools, Bootstrap
- **Research Skills:** Problem-Solving, Data Analysis, Algorithm Design, Technical Documentation, Debugging, Code Optimization

CERTIFICATIONS

- Frontend, UI Development, Component-based : [React.Js](#) Aug 2025
- Server-side, API Development, Backend : [Node.Js](#) May 2025
- Scripting, Automation, Backend : [Python](#) Feb 2025
- NoSQL, Data Storage, Database Management : [MongoDB](#) Nov 2024

LEADERSHIP EXPERIENCE

- **Team Lead – NXT Coding Club** Nov 2024 - Jun 2025
NXT Wave
 - Guided a team of 8 members in developing web and mobile applications.
 - Improved project delivery time by 20% through structured task management.
 - Initiated weekly coding workshops to enhance team skills and knowledge sharing.
- **Event Coordinator – TechFest 2023** Mar 2023 - Jun 2023
R.P. Sarathy Institute Of Technology
 - Organized and managed technical competitions with 50+ participants.
 - Streamlined registration and scheduling processes, reducing errors by 30% .
 - Led a cross-functional team to execute promotional campaigns and manage logistics efficiently.

ACHIEVEMENTS

- **Bug Hunter** Feb 2025
NXT Wave
 - Identified and resolved **critical platform issues** improving reliability.
 - Honored with Bug Hunter accolade for enhancing system reliability on NxtWave.
- **15 consecutive weekly learning goals** Aug 2025
NXT Wave
 - Achieved 15 consecutive weekly milestones, accumulating 118.29K points on NxtWave.
- **Secured a 9.8/10 CGPA** Sep 2025
NXT Wave
 - Secured a 9.8/10 CGPA in the NxtWave course program.
- **2nd place in the State-Level Karate Boxing Championship** Sep 2015
Budokai Karate Boxing Championchip
 - Secured silver medal in State-Level Karate Boxing Championship.

ADDITIONAL INFORMATION

Languages: Tamil (Native), English (Conversational proficiency)

Interests: Aeronautical Engineering, Technology Development, History, Space Science.

DECLARATION

I consider myself well-versed in engineering concepts and confident in my ability to work effectively in a team. I hereby declare that all the information provided above is true to the best of my knowledge.
