

VASANTHAKUMAR DURAIRAJ

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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

Salem, Tamilnadu

R.P. Sarathy Institute Of Technology.

◦ CGPA: 7.589

• HSC- State Board

Jun 2019 - Apr 2020

Salem, Tamilnadu

St. Joseph Higher Secondary School.

◦ Percentage: 63%

• SSLC- State Board

Jun 2017 - Apr 2018

Salem, Tamilnadu

St. Joseph Higher Secondary School.

◦ Percentage: 86.6%

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.

• VEERA Watch

Live



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.

• VEERA Assess App

Live



Tools: React, Styled Component CSS, React Router

- Built a fully responsive frontend using React and Styled Component CSS for an engaging user experience.
- Crafted dynamic navigation with React Router for smooth transitions across assessment modules.
- Integrated features like **interactive quizzes, timed assessments, and result summaries** to enhance learning evaluation.
- Structured reusable components and a modular architecture for maintainable and scalable code.

SKILLS

- **Programming Languages:** JavaScript , Python , Java
- **Web Technologies:** HTML5, Tailwind CSS, CSS3, React.js, Next.js , Node.js, Express.js
- **Database Systems:** MongoDB, PostgreSQL, MySQL
- **Cloud Technologies:** AWS, Supabase
- **DevOps & Version Control:** Git, GitHub, Mongoose
- **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

- Next.js, PostgreSQL, Full-Stack IRC - Crt Dec 2025
- 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.
