

# HARSHAVARDHAN M V

## Software Developer

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### SUMMARY

I am a recent **Electronics and Communication Engineering graduate** from Visvesvaraya Technological University, seeking an **entry-level Software Developer** role. I have hands-on experience in **full-stack web development** using **HTML, CSS, JavaScript, React.js, Node.js, Express.js, and MongoDB**. I possess strong problem-solving skills and the ability to **analyze requirements, implement solutions, and collaborate effectively** in fast-paced environments. I am committed to applying my technical knowledge to **real-world projects** and continuously expanding my skill set.

### SKILLS

**Programming Languages:** JavaScript, HTML, CSS  
**Frameworks & Libraries:** React.js, Node.js, Express.js  
**Databases:** MongoDB  
**Tools & Technologies:** Git, RESTful APIs, Web Development, Version Control

### WORK EXPERIENCE

<b>Varcon's Technologies</b>	<i>Feb 2025 - Jun 2025</i>
Software Developer	<i>Hassan, Karnataka</i>
<ul style="list-style-type: none"><li>Engineered <b>3+ responsive web applications</b> using <b>React.js, Node.js, Express.js, HTML, CSS, and JavaScript</b>, improving user engagement and system performance.</li><li>Built and integrated <b>5 RESTful APIs</b> with <b>MongoDB</b>, reducing data retrieval time by <b>30%</b>.</li><li>Optimized <b>front-end components</b> for cross-browser compatibility, resulting in faster load times and enhanced usability.</li><li>Collaborated within an <b>Agile team</b> and utilized <b>Git for version control</b>, ensuring timely project delivery and efficient code management.</li></ul>	

### PROJECTS

**Smart Irrigation using ThingSpeak**

- Designed an **IoT-based irrigation system** to automatically monitor soil moisture, achieving a **15–20% reduction in water usage**.
- Implemented **real-time data collection and analysis** via ThingSpeak for optimized irrigation scheduling.

**Water Quality Monitoring System using Arduino & ESP8266**

- Developed a **real-time water quality monitoring system** measuring pH, turbidity, and temperature.
- Expanded **system capabilities** with IoT integration, enabling remote monitoring and improving operational efficiency by **25%**.

**Solar Based Electric Vehicle Charging System**

- Created a **software application** for EV charging management, enabling **real-time session monitoring**.
- Upgraded the **user interface** with React.js and backend integration, reducing manual tracking errors by **40%**.
- Contributed to a **solar-powered EV charging solution**, supporting sustainable energy adoption.

### CERTIFICATIONS

**C for Beginners** | Great Learning  
**Cloud Computing** | EC-Council  
**Soft Skills and Microsoft Office** | 10SECONDS

### EDUCATION

**BE - Electronics and Communication Engineering**  
Navkis College Of Engineering, Visvesvaraya Technological University, **CGPA: 8.9**

### LANGUAGES

Kannada, English