HEMACHANDRAN S

Chennai, India
+91 90425 17644 | hemachandranvlr@gmail.com
LinkedIn: https://linkedin.com/in/hemachandran10

PROFESSIONAL SUMMARY

Results-driven Full-Stack Developer with hands-on experience in designing, developing, and deploying scalable web applications using the MERN stack. Proficient in Java, JavaScript (ES6+), React.js, Node.js, and MongoDB. Demonstrated ability to build efficient RESTful APIs, responsive user interfaces, and robust backend systems. Strong understanding of Agile methodologies, software design patterns, and database optimization. Eager to contribute technical expertise and passion for development in a collaborative team environment.

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), Python, SQL
Frontend: React.js, HTML5, CSS3, Bootstrap(basics)
Backend: Node.js, Express.js
Databases: MongoDB, MySQL
Tools: Postman, GitHub, VS Code
Frameworks: MERN Stack
Other: RESTful APIs, JSON

PROFESSIONAL EXPERIENCE

MERN Stack Intern | *Hackwit Technologies, Chennai | Feb 2024 – Mar 2024*

- Developed a full-stack Exercise Tracker Web App using React.js, Node.js, Express.js, and MongoDB.
- Implemented user authentication, data logging, and real-time activity tracking.
- Optimized MongoDB queries using aggregate functions, improving response time by 20%.
- Collaborated with UI/UX designers to ensure mobile responsiveness and usability.

MERN Stack Intern | *Hackwit Technologies, Chennai | Aug 2023 – Sep 2023*

- Created a CRUD system to manage dynamic content using RESTful APIs.
- Developed responsive interfaces with React.js and handled routing using React Router.
- Ensured secure and efficient data operations through Express.js and MongoDB.
- Incorporated validation and error handling, reducing input-related issues by 95%.

Predictive Maintenance for Electric Vehicles Using ML & RPM | *Sathyabama University | Aug 2024 – Apr 2025*

- Built a machine learning model using TensorFlow to predict maintenance needs in electric vehicles.
- Integrated RPM data with Python scripts for analytics and dashboard visualization.
- Achieved 92% accuracy and helped reduce maintenance costs by 30% through proactive insights.

EDUCATION

Bachelor of Technology in Information Technology
Sathyabama University, Chennai | Sept 2021 – May 2025 | CGPA: 7.75/10

CERTIFICATIONS
- Python with Data Science – NPTEL, IIT Kanpur, 2023
- Introduction to MongoDB – MongoDB University, 2023
- Introduction to Node.js – 2025