JAWAHAR M

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PROFESSIONAL SUMMARY

Aspiring full-stack developer with hands-on experience in frontend and backend technologies. Eager to build secure, high-performance web applications and grow as a software professional.

EDUCATION

Adhiyamaan College of Engineering — Hosur, Tamil Nadu
Master of Computer Applications (MCA) — *Aug. 2024 – May 2026 (Expected)*

M.G.R. College of Arts and Science — Hosur, Tamil Nadu
Bachelor of Computer Applications (BCA) – CGPA: 6.43 — *2021 – 2024*

TECHNICAL SKILLS

Languages: Java, Python, JavaScript (ES6+), TypeScript, SQL (MySQL), HTML5, CSS3
Frontend: React.js, Next.js, Redux Toolkit, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, MVC Architecture
Databases: MongoDB, MySQL, PostgreSQL, Redis (Basics)
DevOps & Cloud: Docker (Basics), CI/CD, GitHub Actions, AWS (Basics), Vercel, Render, Netlify
Tools & Platforms: Git, GitHub, Postman, Swagger, VS Code, npm
Concepts: Data Structures, Agile Methodology, API Integration, Responsive Design

PROJECTS

Nutmeg BI Analytics | *Nutmeg Software Solutions* — Jan 2025 – Present
- Developing a scalable Business Intelligence (BI) analytics platform to visualize complex datasets for clients.
- Integrating data visualization libraries to create interactive dashboards, improving data-driven decision-making.
- Optimizing backend SQL queries and API response times to handle large-scale data processing efficiently.

Urban Waste Overflow Solution | *IoT, Arduino, C++, GSM/GPRS* — Oct 2024
- Engineered an IoT-based garbage monitoring system utilizing ultrasonic sensors to track bin levels.
- Integrated GSM modules to automate alerts, optimizing collection routes and reducing manual checks by 40%.
- Designed the system to prevent sanitary hazards by triggering alerts before overflow occurs.

Personal Portfolio Website | *React.js, CSS3, Render* — Nov 2024
- Designed and developed a fully responsive personal portfolio website (jawahar.onrender.com).
- Implemented React Router for smooth navigation and reusable components for modular design.
- Focused on clean UI/UX and performance optimization, achieving 99.9% uptime via Render.

CONFERENCE PRESENTATIONS

Nadar Saraswathi College of Arts & Science — Theni, Tamil Nadu
Presenter, International Conference on Generative Technologies (ICGTAE) — *Oct 2024*
- Presented a technical paper titled "Enhancing Learning Environments With AI-Driven Classroom."

HACKATHONS & COMPETITIONS

Indian Institute of Science (IISc) — Bangalore
Participant, OPENHACK 2025 — *Feb 2025*
- Collaborated on open innovation challenges and developed prototype solutions within time constraints.

VIT College Chennai — Chennai
Participant, RASCADE Contest — *Nov 2024*
- Engaged in competitive technical challenges focusing on problem-solving and coding efficiency.

KPR Institute of Engineering and Technology — Coimbatore
Participant, EXPLOIT-X KPR CTF — *Apr 2025*
- Competed in a Capture The Flag (CTF) cybersecurity event, solving challenges related to system vulnerabilities.

CERTIFICATIONS

Cloud Computing Foundations | *Great Learning* — Oct 2024
Python for Machine Learning | *Besant Technologies* — Mar 2023