

aviralsingh524715

Software Engineer

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SUMMARY

Software Engineer with background in full-stack web development, workflow automation, and IoT integrations. Hands-on experience developing web platforms, automated workflows, and software solutions using modern frameworks and cloud tools. Proven track record through technical internships, competitive hackathons, and platform certifications.

EXPERIENCE

ServiceNow University Virtual Internship Program

SmartBridge / AICTE

Jul 2026 – Present

- Completed hands-on learning modules in ServiceNow fundamentals, Agentic AI, Flow Fundamentals, Automated Test Framework (ATF), and platform administration.
- Practiced enterprise workflow automation and testing through guided platform exercises and labs in preparation for CSA certification.

Social Internship (IT105P) - Local Clothing Shop Website

KIET Group of Institutions

Jul 2026 – Jul 2026

- Collected functional requirements directly from a local shop owner and planned website architecture.
- Built, tested, and deployed a responsive storefront solution, demonstrating the final product to a non-technical client.

Web Development Social Intern

Internship D Fashion Mart

- Developed a responsive clothing-store frontend using HTML, CSS, and vanilla JavaScript for a local business project.
- Implemented accessible navigation, collection pages, gallery lightboxes, and cross-device responsive layouts.
- Engineered an optional Node.js and Express contact endpoint with a frontend fallback mechanism for reliable submission handling.

ServiceNow Virtual Intern — System Administrator Track

SmartBridge, in collaboration with ServiceNow & AICTE

- Executed an eight-week virtual internship program focused on ServiceNow administration, Flow Designer, ATF, and reporting.
- Configured platform components and automated workflows via structured guided labs and coursework.

EDUCATION

KIET Group of Institutions · B.Tech, Bachelor of Technology - BTech · 2025 – 2029

SKILLS

Languages and Frameworks: C, C++, CSS, CSS3, HTML, HTML5, Java, JavaScript, Python, TypeScript, Express, FastAPI, Framer Motion, Next.js, Node.js, OpenCV, PaddleOCR, React, Tailwind CSS

Databases: MySQL, PostgreSQL, Supabase

Tools: Arduino Uno, CLI, ESP8266, ESP8266 / NodeMCU, Git, GitHub, HC-SR04, MAX30102, Postman, Render, REST APIs, Row Level Security, ServiceNow, Vercel, VS Code, WebSocket

PROJECTS

Smart Car Parking Monitor

A self-hosted parking monitor featuring real-time hardware data integration and dynamic updates. Connected ESP8266 and HC-SR04 sensor data with an Express API backend. Engineered live dashboard updates utilizing WebSocket connections.

ESP8266, Node.js, Express, WebSocket, HC-SR04

Live Demo

ComplyVision - SIH 2026 Compliance Inspection Prototype

An evidence-backed packaged-commodity inspection system using computer vision. Built a system accepting product images to extract declaration text via OCR and computer vision. Applied deterministic Legal Metrology rules to automate compliance verification. Integrated Next.js, TypeScript, FastAPI, OpenCV, PaddleOCR, and Supabase deployed on Vercel and Render.

Next.js, TypeScript, Python, FastAPI, OpenCV, PaddleOCR, Supabase, Vercel, Render

Additional projects: StaffGrid - Odoo x NMIT Hackathon 2026 HRMS, SevaSaathi - Accessible Government Scheme Assistant, SevaSaathi - Accessible Government Scheme Assistant, D Fashion Mart - Responsive Clothing Storefront, Smart Car Parking Monitor - Real-Time IoT Dashboard

AWARDS

AMD AI Academy Certification, Certificate of Participation in DropHack, Introduction to Entity Relationship ER Modeling, MongoDB Basics for Students, Virtual Internship Program, ServiceNow Community — Mega Contributor, ServiceNow Virtual Internship Program, AWS Academy Graduate - Cloud Foundations - Training Badge, Linux for Beginners