Shivam Chikara

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github.com/ShivamChikara1611

Summary

Full Stack and AI enthusiast skilled in MERN stack, cloud computing, and modern web technologies. Experienced in building scalable applications, integrating advanced tools, and applying AI-driven solutions. Strong problem-solver with a focus on innovation, usability, and performance.

Education

JAIN (Deemed-to-be University), B.Tech in Computer Science [GPA: 8.63/10.0]	Sept 2022 – May 2026
Golden Public School, 12th (PCM) [GPA: 8.24/10.0]	Mar 2021 – Jun 2022
Golden Public School, 10th [GPA: 8.45/10.0]	Apr 2019 – Mar 2020

Experience (Internship)

IoT Developer, Academic Project, JAIN (Deemed-to-be University) — Apr 2025 – Jun 2025

Led a team of 5 in developing an IoT-based Smart Classroom Automation System using ESP32, PIR, LDR, and DHT22 sensors with relay-controlled lights and fans. Implemented dual operation modes (Auto/Manual) with real-time monitoring and alerts via Blynk, ensuring scalability and reliability. Successfully deployed the prototype and earned national-level recognition, presenting the work at ICRET 2025.

Projects

- **Hospital Management System** *live*

  Developed a full-stack Hospital Management System with patient, doctor, and admin panels, featuring JWT authentication, online appointments, and digital payments (Stripe). Integrated a CNN-based ML model (94% accuracy) on Azure for early skin cancer detection, enabling patients to upload images for AI-assisted healthcare.

- **Nagasaki City Food** *live*

  Developed Nagasaki City Food, a full-stack food delivery platform with React and Tailwind on the frontend and Spring Boot, RESTful APIs, Hibernate, JPA, and MySQL on the backend. Implemented secure JWT authentication and Stripe integration for payments, with two panels: a customer panel for seamless ordering and a admin panel for restaurant and order management, ensuring a scalable and reliable web application.

- **Sneakinn** *github*

  Built Sneakinn, a PHP-based e-commerce platform with customer browsing, ordering, and seller interaction. Developed secure seller admin panels for independent product management and communication, with planned features like payment integration, analytics dashboards, and mobile app support.

Publications

- **IoT-Driven Smart Classroom System for Efficient Resource Monitoring and Automation**, *IEEE Conference - ICRET 2025* — May 2025

- **Advancing Log Analysis and Anomaly Detection with Large Language Models**, *IEEE Conference - ICCCNT 2025* — July 2025

  Presented research paper "Advancing Log Analysis and Anomaly Detection with Large Language Models" at ICCCNT 2025, IIT Indore (IEEE & AICTE). Developed an LLM-based framework for system log interpretation, live uploads, and proactive resolution, improving efficiency, accessibility, and minimizing downtime for both technical and non-technical users.

Technologies

Tech Stack: Python, JavaScript, C++, PHP, SQL, HTML, CSS | React.js, Node.js, Express.js, TailwindCSS
Database & Cloud: MongoDB, MySQL, PostgreSQL, NoSQL | MongoDB Atlas, AWS, Azure
Tools and Platforms: GitHub, Docker, Arduino, Linux | REST APIs, Deployment, Debugging, Version Control
Core Knowledge: DSA, OOPs, OS, DBMS, Computer Networks | Strong teamwork and problem-solving skills

Certifications

- Enterprise Networking, Security, and Automation & Switching, Routing, and Wireless Essentials - CISCO
- Linux Fundamentals - Coursera
- Python, SQL, Fullstack Web Development, AWS - NxtWave Academy