

DIVYANSH RAI

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Professional Summary

Computer Science graduate with hands-on experience in Full Stack Development using React.js, Next.js, Node.js, Express.js, and MongoDB. Experienced in developing production-ready web applications, ERP modules, and AI-powered solutions. Strong foundation in Data Structures, Algorithms, DBMS, Operating Systems, and Computer Networks with a passion for building scalable software solutions.

Skills

Programming: C, C++, JavaScript, PHP **Database:** MySQL, MongoDB

Frontend: HTML5, CSS3, Tailwind CSS, React.js, Next.js **Backend:** Node.js, Express.js, PHP, CodeIgniter

Tools & Platforms: Git, GitHub, Linux, AWS (EC2, S3, IAM), Android Studio, CPanel

Core Subjects: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks, OOPs

Technical Strengths: Full Stack Development, REST APIs, Responsive Web Design, Database Design, Version Control

Experience

Web Developer Intern (Completed)

February 2026 – May 2026

Gyan Ganga Genesis Incubation Centre

Jabalpur (On-site)

- **Tech Stack:** Next.js, React.js, PHP, Tailwind CSS, CodeIgniter, CPanel
- Developed and maintained modules for the live production website ggce.co.in.
- Built a leadership meeting scheduling system with automated approval workflow.
- Integrated email notification functionality for meeting approvals and status updates.
- Contributed to ERP feature development using PHP and CodeIgniter.
- Improved SEO, content management workflows, and user experience across multiple pages.

Cyber Security Training Program

July 2025 – August 2025

Cisco Networking Academy — BSNL BRBRAITT

Jabalpur

- **Tools:** Cisco Packet Tracer
- Performed network simulations and studied networking, security threats, firewalls, and cryptography fundamentals.

Projects

Remote ECG Monitoring System 🚀

January 2024 – September 2024

- **Technologies Used:** ESP32, AD8232, Embedded C/C++, ThingSpeak
- Developed an **IoT-based ECG monitoring system** to capture real-time heart signals.
- Transmitted ECG data via **Wi-Fi to cloud platform** for remote monitoring.
- Enabled real-time visualization and basic analysis of ECG signals.

IngredientInsight AI – Smart Food Ingredient Analysis System 🚀

January 2026 – April 2026

- **Technologies Used:** React.js, Node.js, Express.js, MongoDB Atlas, Google Gemini AI, Tesseract OCR, Tailwind CSS
- Developed an **AI-powered web application** to scan food labels and analyze ingredients from uploaded images.
- Integrated **OCR and Gemini AI** to extract ingredient data, assess health risks, and generate recommendations.
- Implemented a **MongoDB-based self-learning database** to store and reuse ingredient analysis results.
- Built a **food safety scoring system** to identify potentially harmful, diabetic-sensitive, and heart-sensitive ingredients.

Awards & Certifications

- **Smart India Hackathon 2024** – Team Leader, secured 9th rank among 150+ teams in intra-college round.
- **CCNA – Cisco Networking Academy** – Networking fundamentals, routing, switching, and security basics.
- **Cyber Security Training Program** – Cisco Networking Academy and BSNL BRBRAITT.
- **Web Development Internship** – Contributed to live production website development and ERP modules.

Education

Bachelor of Technology (B.Tech) - Computer Science Engineering

2022 – 2026

IoT, Cyber Security & Blockchain — GGITS, Jabalpur

CGPA: 7.94 / 10