

SANDEEP KUMAR

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PROFESSIONAL SUMMARY

Aspiring Software Developer with hands-on experience in full-stack web development and IoT technologies. Proficient in modern frontend frameworks and responsive design. Passionate about building user-centric applications with clean, efficient code.

EDUCATION

Bachelor of Technology in Computer Science and Engineering	2022 - 2026
Intermediate (XII) - Bihar School Examination Board	2018 - 2020
Government Engineering College (GEC) Khagaria Bihar Engineering University, Patna A.L.Y. College Triveniganj, Supaul	
Matriculation (X) - Bihar School Examination Board	2018
High School Triveniganj, Supaul	

TECHNICAL SKILLS

Frontend Development: HTML5, CSS3, JavaScript, TypeScript, React.js, Bootstrap, Tailwind CSS, Git, GitHub **Programming**

Languages: Python, JavaScript, TypeScript

IoT & Hardware: Arduino Programming, ESP32, Raspberry Pi 5, Sensor Interfacing, Cloud Platforms for IoT

Core Competencies: Problem Solving, Data Structures, Web Development, API Integration

PROJECTS

Weather Forecast Application | Technologies: HTML, CSS, JavaScript

- Developed a **real-time weather forecast web application** to fetch and display live weather data.
- Implemented **dynamic UI updates based on user location and search input** with responsive design for multiple devices.
- Integrated **external APIs to retrieve, process, and display weather forecast information interactively.**

Amazon Clone | Technologies: HTML, CSS

- Developed an **Amazon clone e-commerce website** with product listing and shopping cart functionality.
- Designed a **responsive UI/UX inspired by Amazon's interface** for a realistic shopping experience.
- Implemented **interactive features to improve user engagement and navigation.**

Personal Portfolio Website | Technologies: HTML, CSS, JavaScript

- Designed and developed a **professional portfolio showcasing projects and technical skills**
- Implemented **responsive design principles** for optimal viewing on all devices
- Created **smooth navigation and interactive elements** for better user experience

AI Emotion Detector Website | Technologies: HTML, CSS, JavaScript, Chart.js

- Designed and developed a **frontend emotion detection web application** with file upload and dashboard interface.
- Implemented **emotion visualization including dominant emotion, confidence score, and distribution graph.**
- Built a **responsive and interactive UI using JavaScript**, focusing on UI/UX design and data visualization.

Binance Futures Testnet Trading Bot | Technology: Python, Binance API, REST API

- Developed a **Python-based trading bot using the Binance Futures Testnet API** to simulate automated trading.
- Implemented **market and limit order placement with API authentication and error handling.**
- Built **modular scripts for testing trading strategies**, demonstrating API integration and automation skills.

INTERNSHIPS & TRAINING

Web Development Internship (Hybrid) | 6 Weeks (2 Weeks Online + 4 Weeks Offline)

- Completed **comprehensive web development training program**
- Gained hands-on experience building **responsive websites** using **HTML, CSS, and JavaScript**
- Worked on **real-world projects** under **professional mentorship**
- Enhanced **technical expertise, teamwork, and professional communication skills**

IoT Internship | NIELIT Patna

- Learned **IoT fundamentals** including **sensor and actuator integration**
- Worked with **Arduino** and **ESP32** hardware platforms
- Implemented **wireless modules, web servers, and BLE using ESP32**

Gained experience with **cloud platforms for IoT applications**

CERTIFICATIONS

- NPTL Certificate** - The Joy of Computing using Python, Introduction to Operating System.
- Python Bootcamp** - Online Bootcamp on Python Programming
- Web Development Internship** - 6 Weeks Hybrid Program