



KANWAL RAJ RAHI

F U L L S T A C K W E B D E V E L O P E R



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[Portfolio link](#)



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[Github](#)



Delhi, India

TECHNICAL SKILLS

Frontend Development

- HTML5, CSS3, Tailwind CSS
- JavaScript (ES6+), TypeScript
- React.js, React Hooks, Redux / Context API
- Next.js (App Router, API Routes, NextAuth)

Backend Development

- Node.js, Express.js, REST APIs
- MongoDB (with Mongoose)
- WebSockets for real-time applications

Full Stack & Web Applications

- Developed complete systems including:
School Management, Hotel Management, Coaching Management, Hospital Management, Video Streaming platforms
- Integration with authentication (Clerk) and external APIs (OpenWeatherMap)

AI, ML & Data

- OpenAI GPT models API, LLM integrations
- Python for scripting & ML basics
- Artificial Intelligence & Machine Learning concepts

Dev Tools & Platforms

- GitHub, GitHub Copilot
- Hostinger Cloud and VPS Hosting
- ChatGPT for development and content tasks

Robotics, Automation & IoT

- Robotics systems, automation workflows, ROS, Arduino
- Mechatronics, mobile robots, industrial robots
- Sensors knowledge for industrial automation
- Artificial Intelligence & Machine Learning applied to automation
- Internet of Things (IoT) solutions

Image Processing & Computer Vision

- Image analysis, feature extraction techniques
- OpenCV basics, MATLAB for vision tasks

Mechanical & Production Engineering

- Computer-Aided Manufacturing (CAM), Manufacturing Engineering
- Sheet metal work, casting, material science
- Strength of materials, theory of machines
- Reverse engineering, value engineering
- Conventional & non-conventional machining/testing
- Fluid mechanics, fluid machinery, thermodynamics

SUMMARY

- **Dynamic and results-driven Full Stack Web Developer** with a strong foundation in **JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, and MongoDB**.
- Skilled at building **modern, responsive web applications, real-time systems with WebSockets, and scalable RESTful APIs**.
- Adept at leveraging **React Hooks, Redux, and Next.js** to create **seamless user experiences**.
- Passionate about writing **clean, maintainable code** and exploring **emerging technologies like AI tools and chatbot integrations**.
- Proven track record of delivering **diverse projects** — from **hospital and video streaming platforms** to **e-commerce, social media apps, and intelligent chatbots**.
- **Highly reliable, quick to adapt, and committed to continuous learning and innovation**.

CERTIFICATIONS / TRAININGS

Full Stack Web Development – TechAltum (2024-2025)

Data Structures and Algorithms – GeeksforGeeks (2024)

Hands-on Training on DRONE DESIGN– GGSIPU, New Delhi (2024)

Industrial Practical Training on 3D Printing – IIT (BHU), Varanasi (2023)

Hands-on Training on Internet of Things (IoT) – GGSIPU Innovation & Incubation Centre (2023)

Hands-on Training on MATLAB - GGSIPU Innovation & Incubation Centre (2023)

Industrial Practical Training – Central Workshop, Delhi Transport Corporation (DTC) (2011)

STRENGTHS

- **Highly Reliable and Dedicated Professional**
- **Quick Learner with Strong Analytical Abilities**
- **Creative Problem-Solver with an Innovative Mindset**
- **Adaptable to New Challenges and Emerging Technologies**

LANGUAGES

HINDI, ENGLISH

HOBBIES

"Playing Cricket, Volleyball, Badminton, and Chess."

- I.C. engines, refrigeration & air-conditioning
- Heat and mass transfer, power plant engineering
- Electrical & electronics related works

PROJECTS

- **Weather API integration** – <https://ourasia.in>
Built with: Next.js, TypeScript, MongoDB, OpenWeatherMap API, Clerk Authentication
- **Hospital Management System** – <urdoctorcare.com>
Built with: Node.js, MongoDB
- **Video Streaming Web App** – <aiadsoftheyear.com>
Built with: Next.js, TypeScript, MongoDB
- **Real-Time Messenger App** – <seekingworld.com>
Built with: Node.js, Express.js, Socket.io
- **Personal Portfolio Site** – <kanwalrajrahi.com>
Built with: HTML, CSS, JavaScript
- **Inventory Management System** – <inventorymanagement.deepthinkworld.com>
Built with: React.js, TypeScript, Context API, Vite
- **E-Commerce Shopping Cart** – <shopping.deepthinkworld.com>
Built with: React.js, Context API, Vite
- **Social Media App** – <socialmedia.deepthinkworld.com>
Features: Real-time post feeds, user profiles, and chat system
- **Chatbot-Integrated Platform** – <deepthinkworld.com>
Built with: HTML, CSS, JavaScript

EDUCATION

M.Tech	Aug '22 - Jul '24
University School of Information and Communication Technology (USICT),	DELHI
CGPA 7.9	
Robotics and Automation Engineering	
B.Tech	
Guru Gobind Singh Indraprastha University	DELHI
G B PANT GOVT ENGINEERING COLLEGE	
Mechanical and Automation Engineering	
Diploma	
Board of Technical Education	DELHI
Tool Room and Training Centre	
Tool and Die Making	