KANWAL RAJ RAHI

"WEB & APP DEVELOPER | AUTOMATION ENGINEER | ROBOTICS ENGINEER | MECHANICAL ENGINEER | MANUFACTURING & PRODUCTION ENGINEER"

---

https://wa.me/+919999690161

+919999690161

Linkedin.com/in/kanwalrajrahi

kanwalrajrahi@gmail.com

HOUSE NO. 4/2286 STREET NO. 4 GOVERDHAN BIHARI COLONY SHAHDARA DELHI 110032

Kanwal Raj Rahi

SUMMARY

A highly motivated engineer with a Master's degree in Robotics and Automation Engineering and hands-on experience in data-driven automation and AI applications. Proficient in programming, machine learning, and IoT systems, with a passion for leveraging data science to innovate and transform the automotive and technology sectors.

Software Proficiency

Programming Languages:

HTML

HTML5

CSS

CSS3

Bootstrap

Tailwind.

JavaScript

TypeScript

React.js

Node.js

Express.js

Rest API

Web Sockets

MongoDB

Next.js

JSON

Python

MATLAB

Shell

EDUCATION

M.Tech in Robotics and Automation Engineering   Aug '22 - Jul '24

University School of Information and Communication Technology (USICT), │ DELHI

CGPA 7.9

B.Tech in Mechanical and Automation Engineering   May '10 - May '13

G.B. Pant Government Engineering College, │ DELHI

CGPA 7.54

DELHI'S BEST GOVERNMENT COLLEGE

Diploma in Tool and Die Making   Jun '05 - Jun '09

Tool Room and Training Centre, │ DELHI

percentage :- 63.33

BEST INSTITUTE OF INDIA IN THIS FIELD

PROFESSIONAL EXPERIENCE

PRODUCTION PLANNING CONTROL ENGINEER   Jun '13 - Jul '19

VONKO ENTERPRISES │ DELHI

Responsibilities
- *Assembling electrical and electronic lighting systems, ensuring adherence to quality standards and timely delivery*
- *Coordinated production schedules, optimizing resource allocation to meet project deadlines.*

TOOL ROOM ENGINEER   Jul '09 - Sep '09

TRACTEL TIRFOR INDIA PVT.LTD.   │ HARYANA
Selected at college campus interview

Responsibilities
- *Managed the maintenance and repair of press tools and dies, ensuring operational efficiency and minimizing production interruptions.*
- *Designed and developed molds, contributing to the production of high-quality components.*

GATE (Graduate Aptitude Test in Engineering) – Qualified

- **Data Science and Artificial Intelligence**
- **Mechanical Engineering**
- **Production Engineering**

CERTIFICATIONS / TRAININGS

- **Full Stack Web Development** – TechAltum (2024-2025)
- **Data Structures and Algorithms** – GeeksforGeeks (2024)
- **Data Science - IIT DELHI** (2024)
- **Hands-on Training on DRONE DESIGN**– GGSIPU, New Delhi (2024)
- **Industrial Practical Training on 3D Printing & Prototyping -** GGSIPU, New Delhi (2024)
- **Industrial Practical Training on 3D Printing** – IIT (BHU), Varanasi (2023)
- **Hands-on Training on Embedded System & Internet of Things (IoT)** – GGSIPU Innovation & Incubation Centre (2023)
- **Hands-on Training on MATLAB -** GGSIPU Innovation & Incubation Centre (2023)
- **Workshop on Intellectual Property Right : issues and challenges -** GGSIPU Innovation & Incubation Centre (2023)
- **Industrial Practical Training** – Central Workshop, Delhi Transport Corporation (DTC) (2011)

TECHNICAL SKILLS

- **Database Management**

Bash
Google Drive

Data Science & AI: Machine
Learning, Artificial Intelligence (AI),
Internet of Things (IoT), Data
Analytics

Automation & Robotics: ROS,
RoboAnalyzer, RT Toolbox3,
Mechatronics, Industrial Robotics

Design & Engineering Tools:
AutoCAD, SolidWorks, Fusion 360,
Arduino IDE

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."

- **Artificial Intelligence & Machine Learning**
- **Mechatronics**
- **Mobile & Industrial Robotics**
- **Sensors & Automation for Industrial Applications**
- **Artificial Intelligence in Automation**
- **Internet of Things (IoT)**
- **Electrical & Electronics Engineering**
- **Computer-Aided Manufacturing (CAM)**
- **Manufacturing Engineering**
- **Sheet Metal Work & Casting**
- **Material Science & Strength of Materials**
- **Theory of Machines**
- **Reverse & Value Engineering**
- **Conventional & Non-Conventional Machining**
- **Conventional & Non-Conventional Testing**
- **Fluid Mechanics & Fluid Machinery**
- **Thermodynamics & Internal Combustion Engines (I.C. Engines)**

PROJECTS

AI-Driven Robotics Systems: Developed algorithms to automate industrial robot operations using machine learning techniques.

"Recently Completed Website Projects"

"I recently developed the following websites: Feb '25 - Mar '25
**DeepThinkWorld.com, BuyWebApps.com, KanwalRajRahi.com" "Blog App" "Event Planner" "Expense
Tracker" "Inventory Management System" "E-Commerce Shopping Cart" "Job Application Tracker"
"Social Media App" "Task Manager To-Do List with Categories" "Quiz App with Timer" "Calculator"
"Personal Information" "ourMeghalaya.com" "ourWestbengal.com" "ourUttarPradesh.com"
"ourTamilNadu.com" "ourJammuAndKashmir.com"**

| DELHI

Prompt Design and Engineering with AI Tools

AI Assistants & Prompt Platforms:
ChatGPT, Gemini, DeepSeek, Genspark AI, qwen.ai

Code Generation & Developer Productivity:
Cursor, Windsurf, Codeium, GitHub Copilot, Trae Copilot, FireBase Studio

Visual Content Creation:
DALL·E