

KANWAL RAJ RAHI



"Web & App Developer | Automation Engineer | Robotics Engineer | Mechanical Engineer | Manufacturing & Production Engineer"

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[📍 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.

EDUCATION

M.Tech in Robotics and Automation Engineering	Aug '22 - Jul '24
University School of Information and Communication Technology (USICT),	DELHI
<i>CGPA 7.9</i>	
B.Tech in Mechanical and Automation Engineering	May '10 - May '13
G.B. Pant Government Engineering College,	DELHI
<i>CGPA 7.54</i>	
DELHI'S BEST GOVERNMENT COLLEGE	
Diploma in Tool and Die Making	Jun '05 - Jun '09
Tool Room and Training Centre,	DELHI
<i>percentage :- 63.33</i>	
BEST INSTITUTE OF INDIA IN THIS FIELD	

PROFESSIONAL EXPERIENCE

PRODUCTION PLANNING CONTROL ENGINEER	Jun '13 - Jul '19
VONKO ENTERPRISES	DELHI
<i>Responsibilities</i>	
<ul style="list-style-type: none">Assembling electrical and electronic lighting systems, ensuring adherence to quality standards and timely deliveryCoordinated 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	
<i>Responsibilities</i>	
<ul style="list-style-type: none">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
- 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

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
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."
