

UTKARSH RAJ

Greater Noida, Uttar Pradesh, 201310

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PROFESSIONAL SUMMARY

Full-stack developer with expertise in Python, Java, React, Node.js, and MongoDB. Built real-time applications like chat systems and smart parking with hardware integration using Raspberry Pi, IR sensors, and Razorpay. Strong in DSA, OOP, DBMS, and UI/UX. Certified by Coursera and Infosys. Excellent in problem-solving, teamwork, and communication..

EDUCATION

Bachelor of Technology (B. Tech), Computer Science and Engineering in Internet of Things Noida Institute of Engineering and Technology, Greater Noida	2022-2026
Intermediate (79%) Hellen School, Sitamarhi	2020-2022
Matriculation (77%) S.R. D.A.V. Public School, Pupri, Sitamarhi	2020

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, HTML, CSS

Framework: React, Next JS, Angular JS, Node JS, Express JS

Database: MySQL, MongoDB

Tools: Git, Excel, REST API, VS Code, Vercel, Firebase, Render

Concepts: UI/UX Designing, OOP, DSA, DBMS

Hardware Devices: Raspberry Pi, Arduino, ESP32

Soft Skills: Problem Solving, Critical Thinking, Team Management, Communication

PROJECTS

Chit-Chat: A Real-Time Chat Application

- Built a real-time chat application with a user-friendly interface supporting individual and group messaging.
- Implemented core features like instant messaging, image and video sharing, and dynamic user profile creation and updates.
- Integrated Socket.IO for real-time bi-directional communication and secured user sessions using JWT authentication.
- Deployed the full-stack application on Render with scalable backend and responsive frontend.
- **Tech Stack:** React.js, Socket.IO, MongoDB, JWT, Tailwind CSS, Render

Smart Parking Management System

- Developed an end-to-end smart parking solution integrating software and hardware components for efficient vehicle management.
 - Implemented pre-slot booking and automated gate access using real-time hardware sync with IR sensors and servo motors via Raspberry Pi.
 - Integrated Razorpay for seamless online payment and booking confirmation.
 - Built a responsive frontend with React and controlled hardware using Python scripts on Raspberry Pi.
 - **Tech Stack:** React.js, Python, Raspberry Pi, IR Sensor, Servo Motor, Razorpay
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CERTIFICATIONS

- **Use Canva to Create Desktop and Mobile-friendly Web Pages.** – Coursera
- **Human-Centered Design for Inclusive Innovation** -Coursera
- **IoT Raspberry Pi with Projects** - Infosys Springboard
- **ReactJS** - Infosys Springboard
- **Java Programming Fundamentals**- Infosys Springboard