

# Sarvesh Kumar Pandey

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## SKILLS

- **Languages:** C, C++, SQL,
- **Web Technologies:** HTML, CSS, JavaScript, React.JS
- **Tools/Platforms:** MySQL, MongoDB, GitHub, VS Code
- **Iot Technologies:** ESP32, Arduino, Sensors
- **Soft Skills:** Team Player, Project Management, Problem-Solving

## WORK EXPERIENCES

- **Zee Laboratories Pvt. Ltd. - Production Officer** June 2022 - July 2023
  - Contributed to the manufacturing of injectable medications, ensuring consistent quality and adherence to industry standards. Conducted routine inspections and troubleshooting of equipment to ensure smooth production operations
  - Collaborated with cross-functional teams to optimize production efficiency and maintained accurate documentation of production activities, ensuring traceability and compliance with Good Manufacturing Practices (GMP)

## PROJECT

- **IoT-Based Smart Dustbin | Technologies used :** - ESP32, Ultrasonic Sensor, Servo Motor November 2024
  - Designed a smart dustbin using Arduino Uno, ultrasonic sensor, and servo motor
  - Automated lid opening when motion is detected, ensuring hands-free operation.
  - Implemented efficient waste-level detection and real-time monitoring.
- **Weather Web Application | Technologies used :** HTML, CSS, JavaScript, API July 2024
  - Developed an weather application that fetches real-time weather data using APIs, providing users with up-to-date forecasts
  - Implemented dynamic search functionality to allow users to easily retrieve weather information for any city
  - Enhanced user experience with smooth transitions and a clean interface, making data presentation engaging
- **Rail Ticket Booking and Management System | Technologies used :** C++ (OOPS) March 2024
  - Created a console-based Railway Ticket Booking System in C++
  - Utilized object-oriented programming and file handling
  - Allowed users to book tickets, select trains, and dynamically calculate fares

## CERTIFICATES

- Web Development Course - by Internshala November 2024
- Full Stack Development Using **MERN Stack** – by CSC Pathshala July 2024

## ACHIEVEMENTS

- **Research Paper Presentations** November 2024

Presented the following research papers at Lovely Professional University to showcase practical IoT applications:

  - “Development of an IoT-Enabled Smart Dustbin with Automated Waste Sorting and Real-Time Monitoring Using Sensors and ThingSpeak for Efficient Waste Management.”
  - “Development of an IoT-Based WiFi-Enabled Weather Station Utilizing ESP32 and ThingSpeak for Real-Time Environmental Monitoring.”

## EDUCATION

<b>Lovely Professional University</b>	Punjab, India
<i>Masters of Science - Information Technology; CGPA: 6.8</i>	<i>Since August 2023</i>
<b>Makhanlal Chaturvedi University</b>	Bhopal, Madhya Pradesh
<i>Diploma in Computer Applications; CGPA: 7.3</i>	<i>July 2019 – June 2020</i>
<b>Thakur Ranmat Singh College</b>	Rewa, Madhya Pradesh
<i>Bachelors of Science - Chemistry Honors; CGPA: 6.1</i>	<i>July 2017 - June 2020</i>
<b>Government Higher Secondary School Hinauti</b>	Rewa, Madhya Pradesh
<i>10+2; CGPA: 6.0</i>	<i>April 2016 - March 2017</i>