



# KAPIL GANGWAR

## Automation & Development

### PROFESSIONAL SUMMARY

I am a motivated student with a background in engineering and computer science. I have experience in automation technologies and control systems. As an intern, I am committed to learning and growing. I have strong problem-solving skills and can work independently or as part of a team.

### CONTACT

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Github: <https://github.com/kplngwr>

LinkedIn: [www.linkedin.com/in/kplngwr](http://www.linkedin.com/in/kplngwr)

### PROJECTS

- **Smart Dustbin:** Automated dustbin system updating data via cloud dashboard.
- **Ground Control Unit** for Liquid Rocket Engine Testing: Developed controls and communication system for liquid rocket engine.
- **Heart Disease Prediction:** Conducted Exploratory Data Analysis (EDA) and predicted disease possibilities.
- **Hydro-harmony:** Tested node data transmission to optimize drip irrigation.
- **Library Management System:** Utilized Flask and Sqlite3 for system development.

### CERTIFICATIONS

- Meta Database Engineer Professional Certificate - Ongoing
- Computer Vision with Embedded Machine Learning - Ongoing
- IBM AI Engineering Professional Certificate – Ongoing
- Introduction to MySQL by Meta
- Advanced MySQL by Meta
- Data Science: Principles and Practices using R

### INTERPERSONAL SKILLS

Leadership & Teamwork  
Communication Skills  
Work Management  
Creativity  
Problem-Solving  
Empathy

### EDUCATION

#### CHANDIGARH UNIVERSITY, Mohali (Punjab)

Aug, 2022 - Pursuing

Bachelor of Engineering in Computer Science

#### B DUTT SARASWATI VIDYA MANDIR, Bilaspur (Uttar Pradesh)

2018 – Class 10<sup>th</sup> (Percentage - 95% )

2020 – Class 12<sup>th</sup> (Percentage – 87.4%)

### SKILLS

IOT , Arduino	90%
Python	80%
C , C++ , Java	75%
C# , Rust	50%
Webots , CoppeliaSim	75%
ML and AI	65%
SQL , databases	96%
Web Dev (Python , JS)	65%

### ACHIEVEMENTS / HACKATHONS / PAPERS

#### New India Vibrant Hackathon organized by SSIP 2.0

- 10 Nov 2023–25 Nov 2023
- 1<sup>st</sup> prize Winner (**Prize 2 Lakh**)
- Role: Hardware Integration Lead
- Problem Statement winner under Ministry of Mines. Solutions include Virtual fencing, Automation, Dashboard, etc.

#### Smart India Hackathon 2023 Hardware

- 19 Dec 2023–23 Dec 2023
- 1<sup>st</sup> prize Winner (**Prize 1Lakh**)
- Role: Hardware Integration Lead
- Problem Statement winner under Ministry of Mines. Solutions include Image Processing, Automation, Dashboard, etc.

#### IDE BootCamp

- 29 Jan 2024–02 Feb 2024
- Best Exhibitor
- Role: Team Lead
- SIH 2023 winning teams Exhibition and Project Showcasing

#### IBM Idea Pitching (Best Idea Pitching Team)

- 19 Dec, 2023–23 Dec, 2023
- Role: Hardware Team Lead

#### 30Hacks by Hitachi Global Logitech

- 15 March 2024–16 March 2024
- 1<sup>st</sup> Prize + Innovation prize (**Prize 4lakh + 2lakh**)
- Problem Statement Smart Railway Solutions (Hardware + Software)

#### Chandigarh Exhibition Project Exhibition (one of the best 5 Projects)

- 10 April, 2024–13 April, 2024
- Role: Team Lead
- Exhibit Personal Project – Hydro-harmony (Hardware + Software)