

# AKASH SINGH

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## Skills Summary

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**Languages:** C++, C, R, Python

**Frameworks:** HTML and CSS

**Tools/Platforms:** Weka, CodeBlocks, Arduino IDE

**Soft Skills:** Problem-Solving, Analytical Skills, Team Player, Time Management

## Projects

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### EWS Survey Analysis:

Jan'25

- Descriptive Data Science Project
- Conducted a data-driven survey to understand student perspectives on the EWS (Economically Weaker Section) Act and its socio-political impact.
- Worked in a 3-member team to design and distribute a Google Form for data collection among students.
- Applied descriptive statistical algorithms to analyse trends, opinion patterns, and demographic breakdowns using Excel and R.
- Strengthened skills in survey analysis, data summarization, and teamwork while drawing insights from real-world socio-political data.

### Greenhouse monitoring system using ESP32:

May'24

- IoT Development
- Developed an automated system for real-time monitoring and control of greenhouse conditions.
- Collaborated with a 4-member team to program the ESP32 and integrated sensors (temperature, humidity, LDR, soil moisture) with Blynk.io for real-time monitoring and automated adjustments.
- Learned how to develop IoT projects, connect sensors, and program the ESP32 for collecting data.

### Mess Vs Canteen Survey for Price Prediction:

Apr'24

- Data Science
- Analysed student feedback and identified areas for improvement in dining services.
- Collaborated in a 4-member team for data collection, cleaning, and visualisation using R programming.
- Enhanced data manipulation and visualisation skills, and improved teamwork and communication abilities.

## Achievement

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Achieved 3-star rating on HackerRank for coding skills.

Dec'24

## Certifications

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• Data Science- Coursera by IBM.

Jul'24

• Data Structures -Coursera by University of California

Nov'23

• Interfacing with the Arduino -Coursera by University of California

Oct'23

## Education

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### Lovely Professional University

Punjab, India

*Bachelor of Computer Applications CGPA: 8.51*

Since 2022

*Favourite Courses: Object Oriented Programming, Data Structures, Analytical skills, Data Science*

### Nagaji Saraswati Vidya Mandir

Ballia, Uttar Pradesh

*Intermediate; CGPA:7.0*

Mar'22

*Favourite Subjects: Mathematics, Hindi*

### Nagaji Saraswati Vidya Mandir

Ballia, Uttar Pradesh

*Matriculation; CGPA:8.8*

Mar'19