

# Ram Kumar

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## SKILLS

- **Languages:** C, C++, JavaScript, PHP, Java, Python, HTML and CSS
- **Frameworks/ Libraries:** Tailwind CSS, React, Angular, Node.js, jQuery, JSON, JSX, Redux, Axios, Express
- **Tools/Platforms:** MySQL, MongoDB, Git, GitHub, Linux, Rest API, Postman
- **Soft Skills:** Organized, Time Management, Adaptability, Leadership

## PROJECT

### VisionMark | [GitHub](#)

Aug' 2025 - Present

- Built a **facial-recognition attendance system** that accurately **matches** student faces against a database of 100+ images.
- Achieved automated present/absent marking with a fast-processing speed of **2.2 seconds per frame**, boosting efficiency by **85%**.
- Implemented a reliable **ML-based** pipeline with real-time detection, secure data logging, and smooth workflow integration.

**Tech:** Typescript, Tailwind, Flask, Express, Python

### Binary Tree Balance Checker | [GitHub](#)

Jul' 2025

- Developed a **Binary Tree Balance Checker** that determines whether a tree is height-balanced using optimized recursive algorithms.
- Implemented efficient **height and balance computations** with **O(n)** time complexity for improved performance on large datasets.
- Enhanced reliability by adding modular test cases, edge-case handling, and clean, reusable **DSA-based code structure**.

**Tech:** HTML, Tailwind CSS, JavaScript, DSA Algorithm

### Farmers-Portal | [GitHub](#)

Apr' 2025

- Developed a web-based Farmer Portal enabling farmers to browse and purchase seeds, pesticides, and agricultural equipment, with **integrated home delivery functionality**.
- Designed a **responsive UI** with Tailwind CSS and implemented **100 % client-side interactivity** using JavaScript.
- Built **secure backend** with PHP and MySQL for user authentication, item management, and real-time bidding logic

**Tech:** HTML, Tailwind CSS, JavaScript, PHP, MYSQL

## TRAINING

### Mastering in Data Structure Algorithm | [BoardInfinity](#) | [Certificate-Link](#)

Jul' 2025

- Applied **advanced algorithm principles** to design and implement efficient data organization and manipulation strategies.
- **Interactive Visualizer Development** Led **two hands-on projects**: a **BST CRUD** operation visualizer and a **BST height/balancing visualizer**, demonstrating practical expertise in core DSA concepts and effective data structuring.
- **Knowledge Gained:** Strong understanding of DSA fundamentals, time-space complexity, and efficient coding practices in C++.

## CERTIFICATES

- Angular Web Developer Certification | [Infosys](#) Jun' 2025
- Cloud Computing | [NPTEL](#) May' 2025
- Mastering in Data Structure Algorithm | [Board Infinity](#) Jun' 2024
- The Complete Full-Stack Development Bootcamp | [Udemy](#) Jan' 2024

## ACHIEVEMENTS

- Earned Python-Basic, SQL-Basic and advance Certification from [HackerRank](#) Oct' 2025
- Earned 4-star rating in python in [HackerRank](#) Jul' 2025

## EDUCATION

- **Lovely Professional University** Punjab, India  
Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.7** Aug' 2023-Present
- **Saraswati Vidya Mandir** Uttar Pradesh, India  
Intermediate; **Percentage: 74%** April' 2021- Mar' 2022
- **I.I.H.S.E School** Sultanpur, Jaipalpur  
Matriculation; **Percentage: 84%** Mar' 2020