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
Completed 150+challenges and earned a 50-Day Streak Badge for sustained coding consistency	Aug' 2023-Present

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**   April' 2019-Mar' 2020