

VINIT KUMAR SINGH

Full Stack Web Developer

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Summary

A detail-oriented full-stack developer with a focus on practical, user-centered system design incorporating clean engineering and applied AI. Skilled in converting complex ideas into scalable React-Node.js applications backed by NoSQL databases. Fast learner, analytical thinker, and driven toward building reliable, efficient, and genuinely useful products.

Skills

Languages: C++, JavaScript, HTML, CSS, Python

Frameworks: Node.js, React.js, Express.js

Tools/Platforms: MongoDB, MySQL, Postgres, JWT Authentication, MinIO

Fundamentals: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA)

Soft Skills: Problem-solving, Adaptability, Time management, Responsibility, Discipline

Projects

HealthSync AI – Fitness, Diet & Pose Detection System

June 2025 – August 2025

React, Vite, Node.js, Express, MongoDB, TensorFlow.js MoveNet, HuggingFace LLMs

- Developed a fitness automation engine generating **100+ personalized workout plans** using **10+ health metrics**, improving user accuracy by **30%**.
- Implemented **real-time pose detection** with MoveNet achieving **30 FPS performance** across **15+ exercises**, reducing form-error rates by **25%**.
- Processed **1,000+ daily calorie logs** using rule-based nutrition models, maintaining **85% prediction accuracy**.
- Delivered **50+ dynamic meal plans** optimized for **3 diet types**, improving recommendation efficiency by **40%**.
- Built multi-period dashboards visualizing **7/30/90-day user trends** across **100+ data points per user** for progress analytics.

CareerCraft AI – Resume Analyzer & Roadmap Platform

Jan 2025 – Apr 2025

React, Vite, Node.js, Express, MongoDB, HuggingFace Embeddings & LLMs

- Built an NLP pipeline that parsed **100+ resumes** and extracted **20+ structured fields**, increasing data-processing efficiency by **60%**.
- Designed an **AI scoring system** using embeddings/LLMs generating **1–100 score reports** across **10+ evaluation criteria** with **95% consistency**.
- Developed a skill-gap analysis engine mapping **300+ skills** across **5 job roles**, improving role-fit recommendations by **35%**.
- Generated personalized **4–8 week learning roadmaps** with **40+ milestones**, boosting user completion rates by **20%**.
- Created an admin dashboard aggregating **100+ reports** and visualizing top **10 recurring skill gaps**, improving batch-level insights by **50%**.

EcoBin – Community E-Waste Pickup System

Sept 2025 – Nov 2025

React, Node.js, Express, MongoDB, MinIO, Docker, JWT

- Managed **500+ pickup requests** across **3 user roles** using a structured **5-step lifecycle**, improving operational flow by **40%**.
- Built **3 role-based dashboards** with **20+ optimized UI screens**, reducing task-completion time by **35%**.
- Designed a credit engine awarding **2,000+ credits**, increasing user engagement by **45%**.
- Containerized full frontend + backend using Docker, reducing deployment/setup time by **70%** and eliminating environment inconsistencies.

Certificates

Bits and Bytes of Computer Networking –(Coursera)

Apr 2024

Prompt Engineering for ChatGPT (Coursera)

Feb 2024

Introduction to Generative AI –(Coursera)

Jan 2024

Education

Lovely Professional University, Punjab

2022–2026

B.Tech in Computer Science -**CGPA: 7.10**

Army Public School SP Marg, Lucknow Cantt

2019-2020

Senior Secondary **Percentage: 73.40%**

Army Public School SP Marg, Lucknow Cantt

2017-2018

Secondary **Percentage: 86.80%**