

# VAIBHAV KUMAR

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## SUMMARY

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- Computer Science undergraduate (2027) with strong foundation in **Data Structures, Object-Oriented Programming, and Software Development**. Experienced in building scalable RESTful services using Node.js, Express, and Flask. Comfortable working in **Linux environments**, debugging issues, and developing reliable, high-performance backend and automation solutions.

## PROJECTS

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### LocalHub — Hyperlocal Services Platform

*Jul 2025 – Present*

- Developed a full-stack platform to connect users with nearby service providers based on location and category.
- Built scalable RESTful APIs using Node.js and Express for authentication, service booking, and provider management.
- Designed and implemented a review and rating system to rank service providers based on user feedback and service popularity.
- Implemented pagination, filtering, and optimized MongoDB queries to efficiently handle large datasets.
- Implemented JWT-based authentication, role-based access control, and input validation for secure access.
- Developed and tested application in a Linux environment with debugging and log analysis.
- **Tech Stack:** Node.js, Express.js, React.js, MongoDB, RESTful APIs, JWT, Git, Postman

### TalentNest — Talent Hiring & Job Management Platform

*Jun 2025 – Jul 2025*

- Designed and developed scalable RESTful APIs for job postings, applications, and user authentication.
- Implemented JWT authentication, input validation, and optimized MongoDB queries to improve API performance.
- **Tech Stack:** Node.js, Express.js, MongoDB, RESTful APIs, Git, Postman

### HealthSense — AI-Powered Disease Prediction System

*Jan 2025 – Apr 2025*

- Trained a machine learning classification model using Python (Pandas, NumPy, Scikit-learn) on symptom-disease datasets for prediction.
- Built a Flask-based backend to provide real-time model inference through RESTful APIs.
- Integrated Google Gemini API to develop an AI chatbot for health queries and personalized diet recommendations.
- **Tech Stack:** Python, Flask, Scikit-learn, Pandas, NumPy, React.js, MongoDB, Gemini API, RESTful APIs, Git

## SKILLS

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- **Languages:** Java, JavaScript, Python, C++
- **Backend:** Node.js, Express.js, Flask, RESTful APIs, JWT Authentication, MVC Architecture
- **Systems:** Linux/Unix (Basics), Shell Commands, Process Management, File Permissions
- **Frontend:** React.js, HTML, CSS
- **Databases:** MongoDB, MySQL, SQL
- **AI/ML:** Scikit-learn, Pandas, NumPy, Machine Learning, Gemini API
- **Core CS:** Data Structures & Algorithms, OOP, DBMS, Operating Systems
- **Tools:** Git, GitHub, Postman, VS Code, IntelliJ IDEA

## EDUCATION

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- **Bachelor of Engineering in Computer Science** (2023–2027) — CGPA: 8.89
- Chitkara University, Himachal Pradesh

## ACHIEVEMENTS

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- Solved **200+ Data Structures and Algorithms problems** on LeetCode (120+ Medium, 20+ Hard) with a **contest rating of 1415**.
- Secured **3rd Place** in the Red Hat Hackathon and ranked in the **Top 10** in CodeWars 5.0 (IEEE).

## EXTRACURRICULAR

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### Core Member — GDSC

- Participated in technical workshops, coding sessions, and hackathons.