



Ruchi Kumari

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GitHub: [khushi-1907 \(Ruchi Kumari\)](https://github.com/khushi-1907)

Portfolio: ruchi-portfolio-five.vercel.app/

PROFESSIONAL SUMMARY

Computer Science Engineering student and Full-Stack Developer with hands-on experience in MERN, Django-React, and Next.js applications. Skilled in React.js, Next.js, Node.js, Django REST Framework, MongoDB, PostgreSQL, JWT authentication, and REST APIs. Experienced in building scalable, responsive web applications with role-based access, AI integrations, and modern UI using Tailwind CSS.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, Java

Frontend: React.js, HTML5, CSS3, Tailwind CSS, Next.js

Backend: Node.js, Express.js, Django REST Framework

Databases: MongoDB, PostgreSQL, MySQL

Tools: Git, GitHub, Postman, Linux, Vercel, Render

Concepts: REST APIs, JWT Authentication, Role-Based Access, Agile

OTHER DETAILS

Languages: English, Hindi, Punjabi

Interests: Volunteering, Reading

EDUCATION

Bachelor of Technology in Computer Science Engineering |

Chandigarh Group of Colleges, Landran, India | 2023-2026 |

CGPA: 7.4

Diploma in Computer Science Engineering | *Chandigarh College of Engineering and Technology, Chandigarh, India | 2020-2023 |*

CGPA: 7.1

Matriculation (ICSE) | *Tender Heart School, Chandigarh, India |*

2010-2020 | Percentage: 87.4%

KEY PROJECTS

Academic Planner – AI-Powered Student Productivity Suite

Live: task-radar.vercel.app/

Stack: React, Node.js, Express, MongoDB, Tailwind CSS, JWT, OpenRouter API

- Developed a full-stack MERN application for student productivity using React, Node.js, Express, and MongoDB.
- Implemented JWT-based authentication and role-based access control.
- Integrated AI features using OpenRouter API to generate personalized study recommendations.
- Improved task organization using drag-and-drop planner and Pomodoro timer.

PasswordVaultApp — Privacy-First Password Manager

Live: <https://password-vault-beta.vercel.app/>

Tech: Next.js, TypeScript, MongoDB, AES Encryption

- Built a **zero-knowledge password manager** with **client-side AES encryption**, ensuring passwords are never accessible on the server.
- Implemented **secure authentication and session handling** for protected access to user vaults.
- Added **password auditing and strong password generation** to detect weak or reused credentials.
- Designed a **modern, responsive UI** focused on privacy, security, and usability.

TaskVault – Full-Stack Task Manager | Full-Stack Task Tracker

Live: task-vault-rosy.vercel.app/

Stack: React, Django REST Framework, PostgreSQL, JWT

- Developed a full-stack task management application using React, Django, and PostgreSQL.
- Implemented JWT-based authentication with secure user access.
- Added real-time filtering, deadline tracking, and light/dark mode.
- Designed fully responsive UI for mobile and desktop devices.

Currently Building:

EventX System (Django + React) – Role-based event platform with faculty control, QR check-ins, analytics

ACADEMIC ACHIEVEMENT

Qualified for the Regional Round of the World

Computer Hacker League (WCHL) 2025, organized by BlockseBlock in collaboration with ICP India, by demonstrating advanced problem-solving, innovation, and teamwork in competitive hackathon challenges.

CERTIFICATIONS

- **HackerRank Certified Frontend Developer (React)** – Verified on HackerRank
- **Project Training in MERN Stack** – Hartron Skill Center
- **GenAI-Powered Data Analytics Virtual Experience** – Tata iQ (via Forage)
- **Python Training** – Infowiz Software Solutions
- **Prompt Engineering Course** – Infosys | Springboard
- **Employability Skill Development Training Programme** – Mahindra Pride Classroom, Naadi Foundation

EXTRA CURRICULAR & CO-CURRICULAR

ACHIEVEMENTS

- Worked as the **Coordinator Head** in NSS, leading and managing social initiatives.
- Represented college in the **PTIS Youth Fest, Amritsar**, performing in a skit.
- Organized various cultural and environmental events since 2022