



Ruchi Kumari

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PROFESSIONAL SUMMARY

Highly motivated Full-Stack Developer with hands-on experience in building and implementing web applications using **MERN stack, Django REST Framework, Next.js, and PostgreSQL**. Proven expertise in **developing, testing, and debugging high-performance software solutions** with a strong attention to detail. Skilled in **JavaScript, Python, React.js, Node.js, and database technologies**. Strong problem-solving abilities, excellent communication skills, and a passion for learning and applying new technologies to deliver impactful solutions.

EXPERIENCE

06/2024 – 07/2024
Chandigarh

Hartron Skill Center

MERN Stack Developer - Project-Based Training

- Completed hands-on MERN stack training with real-world project development
- Designed and developed Academic Planner, a full-stack web application using React.js, Node.js, Express.js, and MongoDB.
- Implemented JWT-based authentication and role-based access control.
- Developed RESTful APIs and integrated AI-powered recommendations.
- Used Git and GitHub for version control and deployed on Vercel.

EDUCATION

2023 – 2026
Landran, India

Bachelor of Technology in Computer Science Engineering
Chandigarh Group of Colleges

2020 – 2023
Chandigarh, India

Diploma in Computer Science Engineering
Chandigarh College of Engineering and Technology

Chandigarh, India

Matriculation (ICSE)
Tender Heart School
Percentage: 87.4%

TECHNICAL SKILLS

Languages

JavaScript, Python, C++, Java

Frontend

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

Backend

Node.js, Express.js, Django REST
Framework

Databases

MongoDB, PostgreSQL, MySQL

Concepts

REST APIs, JWT Authentication,
Role- Based Access Control,
OOPS, Agile

Tools

Git, GitHub, Postman, Linux,
Vercel, Render

Languages

English



Punjabi



Hindi



ACADEMIC ACHIEVEMENT

Qualified for the Regional Round of the World Computer Hacker League (WCHL) 2025

BlockseBlock in collaboration with ICP India

Qualified for the Regional Round of the World Computer Hacker League (WCHL) 2025, showcasing innovation, teamwork, and problem-solving skills in competitive hackathon challenges.

CERTIFICATIONS

HackerRank Certified Frontend Developer (React)

Verified certification demonstrating proficiency in React for frontend development.

Python Training, Infowiz Software Solutions

Covered Python basics and core programming concepts.

Project Training in MERN Stack, Hartron Skill Center

Hands-on training in MERN stack with full-stack project build.

Prompt Engineering Course, Infosys Springboard

Completed a comprehensive course on Prompt Engineering, gaining skills in crafting effective prompts and optimizing interactions with AI models.

GenAI-Powered Data Analytics Virtual Experience, Tata iQ (via Forage)

Tata iQ (via Forage). Job simulation with AI-powered data analytics tasks.

Employability Skill Development Training Programme, Mahindra Pride Classroom, Naadi Foundation

Soft skills, communication, and professional readiness training.

KEY PROJECTS

Academic Planner - AI-Powered Student Productivity Suite

Stack: React, Node.js, Express, MongoDB, Tailwind CSS, JWT, Open Router 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.

PasswordVaultApp - Privacy-First Password Manager

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.

Task Vault - Full-Stack Task Manager | Full-Stack Task Tracker

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.

Interests

- Volunteering

- Reading

Currently Building:

EventX System (Django + React)

Role-based event platform with faculty control, QR check- ins, analytics