

Rohit Kumar Sahu

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering (GPA: 9.14 / 10.00)

Expected May 2026

Bhopal, Madhya Pradesh

Government HSS Excellence Anuppur

May 2022

Senior Secondary School Certificate (Class XII) - 96.20%

Anuppur, Madhya Pradesh

Government HSS Excellence Anuppur

May 2020

High School Certificate (Class X) - 96.25%

Anuppur, Madhya Pradesh

Experience

Hewlett Packard Enterprise (HPE)

Feb 2025 – Jun 2025

HPE CTY Intern

- Worked on a company-assigned project focused on Artificial Intelligence and Machine Learning to develop innovative enterprise solutions.
- Collaborated with cross-functional teams to design and implement scalable ML models for real-world enterprise use cases.
- Designed and implemented classification algorithms to accurately detect and categorize file types based on content and metadata, enhancing data retrieval and security workflows.

Technical Skills

Programming Languages: C++, Python

Development: HTML, CSS, JavaScript, Node.js, React, Express.js, MongoDB, JWT, Unity Engine, Augmented Reality

Tools & Technologies: SQL, APIs, Git, MongoDB, Unity

Soft Skills: Task Management, Adaptability, Team Building, Time Management

Relevant Coursework: Data Structures & Algorithms, Computer Networks, Database Management Systems, Object-Oriented Programming(OOPs)

Projects

E-Learning Platform | MongoDB, Express.js, React.js, Node.js

Oct 2024 – Feb 2025

- Built a **full-stack** E-learning platform enabling **online course delivery**, **user management**, and **instructor-student**.
- Implemented **JWT-based authentication** and **authorization** for secure registration, login, and profile management.
- Developed **RESTful APIs** for **course management** and **content delivery**, ensuring **scalability** and **maintainability**.

AI Recipe Generator | React.js, Node.js, OpenAI API, MongoDB

Oct 2024 – Feb 2025

- Developed a **full-stack AI-powered application** that generates customized recipes based on user inputs like ingredients and dietary preferences.
- Integrated **OpenAI API** to process natural language queries and return structured recipe recommendations.
- Built a responsive **React.js frontend** with dynamic search functionality and real-time recipe display.
- Designed **RESTful APIs** using Node.js and Express.js to handle requests and connect the AI model.

AR Discoveries – Interactive Learning for Kids | Unity, Vuforia, Blender, Augmented Reality

Jan 2024 – Jun 2024

- Created an **AR educational app** for children using **Unity** and **Vuforia**, promoting **immersive learning**.
- Implemented **AR marker tracking** and **3D object recognition** for real-time interaction with digital content.

Achievements & Extracurricular Activities

- **ZS Campus Beats Challenge:** Ranked among the **Top 50** teams in the **ZS Campus Beats Challenge**.
- **STARS Scholarship:** Awarded a **100% fee waiver** by VIT Bhopal University.
- **GeeksforGeeks:** Achieved a **3-Star rating** (University Rank: 10). <https://www.geeksforgeeks.org/user/rohitsaag3p/>
- **LeetCode Weekly Contest 427:** Ranked **2,906 / 22,325**. <https://leetcode.com/u/rohit9301/>
- **Coding Blocks Club:** Organized 5+ coding events, quizzes, and hackathons as a **Core Member**.
- **Scholarship for Higher Education (INSPIRE SHE):** Awarded by the Department of Science and Technology, Govt. of India, for ranking in the **top 1%** of Class XII examinations.

Certifications

NPTEL: Foundations of Cyber Physical Systems

Apr 2024

University of Michigan: Intro to AR/VR/MR/XR: Technologies, Applications & Issues

Dec 2023