

# Rohit Kumar Sahu

+91 9301780235    rohitsahu0235@gmail.com    <https://www.linkedin.com/in/rohit-kumar-sahu-ba19a2238>  
<https://github.com/rohit0235>

## Education

### VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering (GPA: 9.17 / 10.00)

Apr 2026 (Expected)

Bhopal, Madhya Pradesh

### Government HSS Excellence Anuppur

Senior Secondary School Certificate (Class XII) - 96.20%

May 2022

Anuppur, Madhya Pradesh

### Government HSS Excellence Anuppur

High School Certificate (Class X) - 96.25%

May 2020

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.
- Built an ML-based file type detection system by converting binary data into visual formats, attaining 86% accuracy and highlighting its effectiveness in cybersecurity and digital forensics applications.
- 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++

**Development:** HTML, CSS, JavaScript, Node.js, React, Express.js, MongoDB

**Tools & Technologies:** SQL, Git

**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

Jun 2024 – Oct 2024

- 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.
- 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.
- **Codeforces:** Attained the rank of **Specialist** with a Contest rating of **1464**. [codeforces.com/profile/rohit0235](https://codeforces.com/profile/rohit0235)
- **GeeksforGeeks:** Achieved a **3-Star rating** (University Rank: 10). <https://www.geeksforgeeks.org/user/rohitsaag3p/>
- **STARS Scholarship:** Awarded a **100% Scholarship** by VIT Bhopal University.
- **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

**HackerRank:** Frontend Developer (React) Certificate

Jun 2025

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

Dec 2023