

Rohit Kumar Sahu

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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

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

Machine Learning 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
- EricssonEdge Academia:** Recognized for outstanding achievement, securing a spot in the **Top 500** among all applicants.
- 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