Rohit Kumar Sahu

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EDUCATION

VIT Bhopal University   Bhopal, Madhya Pradesh
Bachelor of Technology, Computer Science and Engineering   Jun 2026 (Expected)
Cumulative GPA: 9.18/10.00

Govt. Excellence Higher Secondary School, Anuppur   Anuppur, Madhya Pradesh
MPBSE (Class XII): Percentage: 96.20%, 11th rank in state merit   Jun 2022
MPBSE (Class X): Percentage: 96.25%, first rank in district merit   Jun
2020

SKILLS

Programming Languages: C++, C, Python
Development: HTML, CSS, JavaScript, NodeJS, React, Express.js, MongoDB, JWT, Unity Engine, Augmented Reality (Vuforia Engine),
Tools and Technologies: SQL, Git
Soft Skills: Task Management, Adaptability, Team building, Time Management.
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems,

WORK EXPERIENCE

Hewlett Packard Enterprise (HPE) | **Feb 25- Ongoing**
- Working on a company-assigned project focused on Artificial Intelligence and Machine Learning to develop innovative enterprise solutions.
- Collaborating with cross-functional teams to design and implement scalable ML models for real-world enterprise use cases.
- Designing and implementing classification algorithms to accurately find and categorize file types based on content and metadata, improving data retrieval and security workflows.

PROJECTS

Software Engineering Course Project – E-Learning Platform |MERN   Oct 24 – Feb 25
- Build a full-stack E-learning platform using **MongoDB, Express.js, React.js, Node.js (MERN stack)**, enabling online course delivery, user management, and instructor-student interaction.
- Accomplished **JWT-based user authentication and authorization**, allowing secure user registration, login, and profile management.
- Designed and developed **RESTful APIs** for course management, user enrolment, and content delivery, enhancing system scalability and maintainability.
- Integrated **Redux** for efficient state management, ensuring seamless navigation and real-time updates across the application.

CrimeSafe Navigator– Crime Detection Web App| Node.js, React, Git, Express.js   Aug 24 – Sep 24
- Built a responsive, interactive web application using **React.js (frontend) and Node.js/Express.js (backend)** for seamless user experience and real-time insights.
- Combined **real-time APIs** to fetch and process live crime news, enabling dynamic data visualization and up-to-date analytics.
- Collaborated in a team-based **Git workflow**, using feature branches, pull requests, and issue tracking to streamline development.

AR Discoveries – Interactive Learning for Kids | Unity, Vuforia, Blender, Augmented Reality   Jan 24 - Jun 24
- Developed an Augmented Reality (AR) educational app using **Unity Engine** and **Vuforia SDK**, aimed at enhancing children's learning through immersive 3D experiences.
- **AR marker** tracking and object recognition for real-time interaction with virtual content, improving user engagement and retention.

Achievements & Leadership

- Awarded the Dreamed **STARS** Scholarship (100% tuition fee waiver) by VIT Bhopal University for academic excellence.
- Achieved a **3-Star rating on GeeksforGeeks** (Global Rank: 10,055 | University Rank: 10).
- Ranked **2,906 / 22,325** in LeetCode Weekly Contest 427, highlighting algorithmic ability.
- Organized **5+** coding events, quizzes, and hackathons as a Core Member of Coding Blocks Club (VIT Bhopal), fostering peer learning and active community engagement.

CERTIFICATIONS

- **University of Michigan:** Intro to AR/VR/MR/XR: Technologies, Applications & Issues | **Dec 23**
- **NPTEL– Foundations of Cyber Physical Systems | Apr 24**