

Ishan Sharma

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Education

VIT BHOPAL UNIVERSITY, Bhopal, MP

Expected Graduation | Jul 2026

BTech. in Computer Science

CGPA: 8.33/10

KENDRIYA VIDYALAYA, Jabalpur, MP

10th Standard:

65% | Jun 2018

12th Standard:

78.8% | Aug 2021

Projects

Sign Language Recognition System

Oct 2024 - Dec 2024

- Designed a hand gesture detection system for individuals with speech or hearing impairments using YOLOv8 and Python, trained on over 10,000 labeled images, and achieved 90% accuracy in recognizing 30+ sign language gestures.
- Launched a real-time system with Python and OpenCV, reduced latency to under 150ms, and enhanced communication accessibility for individuals who cannot speak or hear.

Accident Detection and Fatality Prevention

Feb 2024 - Apr 2024

- Devised an ML project with an 85% accuracy rate for accident detection using Python and YOLO, reduced emergency response time by 30% through real-time location data transmission and IP-based location alerts.
- Integrated IP-based location alerts, reduced emergency response time by 30%, and ensured reliable real-time notifications for immediate action.

Professional Experience

Co-Lead Backend Developer | Bluestock

Dec 2024 - present

- Lead backend development for a sales website, leveraging SQL, PHP, and API integration to architect database structures and support platform functionalities, handling over 10,000 transactions monthly.
- Enhance system performance by reducing query execution time by 30%, improving data security measures, and integrating backend systems with frontend components to achieve seamless platform operation.

Business Intern

Apr 2022 - Jun 2022

- Exploited effective leadership strategies, increased overall productivity by 25% through organized efforts and streamlined processes.
- Led and closed 15 deals, resulting in a 20% increase in profitability. Applied targeted strategies that boosted organizational productivity by 25%, enhanced key processes, and improved overall efficiency.

Skills

Programming Languages: Proficient in C++ and Data Structures & Algorithms, with experience in Python.

Applied Object-Oriented Programming in C++ and Java for modular and maintainable code.

Web Programming: Applied HTML, CSS, JavaScript, PHP, Node.js, React, and full-stack technologies for web development with responsive design and efficient functionality.

Other Skills: Version Control in Git, SQL, Machine Learning (YOLO, supervised learning, model training), AI, TensorFlow, scikit-learn, Data Analysis (Pandas, NumPy), REST APIs, Agile, Mobile App Development.

Soft Skills: Strong in innovation, organization, leadership, communication, and teamwork.

Languages: Fluent in Hindi, English, conversational proficiency in Nepali.

Achievements: Cleared Amazon Sambhav Hackathon Round 1, EY Techathon Round 1 (currently in Round 2), IIC Hackathon Round 1. Led the team to victory in Microsoft Club Code Garuda 2.0 Hackathon, cleared Round 1 of Flipkart Grid 6.0, and participated in hackathons by Tally, Amazon, Adobe (cleared Round 1), and Walmart.

Certifications: Cloud Computing (IIT KGP), Bits and Bytes (Coursera), Full Stack Meta Developer (Coursera).

Extracurricular Activities

GSOC Club | Co-Founder and Coordinator

Dec 2024 - present

- Established and manage the club, organized 5+ hackathons, 10+ workshops, and mentoring 50+ participants annually to promote GSOC contributions and open-source development.
- Coordinate events, resources, and participant activities to support open-source development and collaboration.

Hobbies: Enjoy playing football, cricket, playing chess and swimming.