

ASHUTOSH SINGH RAWAT

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EDUCATION

VIT Bhopal University B. Tech CSE(Core) CGPA: 8.78	(August, 2022 – Present)
Rainbow Public School Higher Secondary Percentage: 96.50%	(May, 2020 – June 2021)
Rainbow Public School Secondary Percentage: 96.40%	(May, 2018 – June 2019)

SKILLS

- HTML, CSS, Basic MERN Stack (MongoDB, Express.js, React.js, Node.js).
- Java, Python, Basic knowledge of AWS (EC2, S3, Lambda, DynamoDB).

PROJECTS

Gesture Alchemy	(Feb, 2024 – May 2024)
<ul style="list-style-type: none">• Built a machine learning model that converts speech into sign language, aimed at improving accessibility and communication for the hearing-impaired community.• Enhanced recognition accuracy and model reliability by fine-tuning with contextual audio–sign language pairings, ensuring precise real-world performance.• Worked in a team to integrate ML outputs with a responsive frontend interface, while contributing to backend connections for seamless sign animation display.	
Health++ - Smart Medical Website	(Oct, 2024 – April 2025)
<ul style="list-style-type: none">• Engineered a prescription-sharing feature, allowing doctors to access patients' treatment history, improving diagnosis accuracy by and care continuity for patients with chronic conditions within the first quarter.• Integrated Google Drive API with a Node.js backend to provide secure and real-time medical document storage and retrieval, enhancing collaboration between patients and healthcare professionals while maintaining data integrity.• Improved user experience and data accessibility by designing responsive frontend components and streamlining medical record handling workflows, reducing manual effort and making the system more efficient for both doctors and patients.	

EXPERIENCE

Internship : Remote Huwats India Pvt. Ltd., Bengaluru	(Nov, 2024 – Feb 2025)
<ul style="list-style-type: none">• Role - AI/ML Intern• Built an AI/ML solution using Python and OpenCV (cv2) for detecting and highlighting image boundaries upon user interaction.• Designed an interactive system, where clicking on specific regions (e.g., bus seats) identifies and outlines boundaries, and dynamically displays object dimensions.• Applied image processing techniques like contour detection and region segmentation to enable real-time object selection and analysis.	

EXTRA-CURRICULARS

- **Co-founder, Pahadi Club – VIT Bhopal** Led initiatives to promote Pahadi culture through various events, increasing student participation and cultural awareness.
- **National Service Scheme - VIT Bhopal University** – Participated in the plantation camp where the team successfully planted 10,000 trees, contributing to environmental sustainability and community awareness.

ADDITIONAL INFORMATION

- **Hobbies:** Reading Novels, Gaming, Listening Music.
- **Languages:** English, Hindi.