ASHUTOSH SINGH RAWAT

+91-8265862003 | rawatashutosh2610@gmail.com | LinkedIn | GitHub

EDUCATION

VIT Bhopal University (August, 2022 – Present)
B. Tech CSE(Core) | CGPA: 8.78

Rainbow Public School (May, 2020 – June 2021)
Higher Secondary | Percentage: 96.5%

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)

- Built a machine learning model to **convert speech into sign language**, enhancing accessibility for the hearing-impaired community.
- **Enhanced model reliability by fine-tuning recognition** accuracy using contextual audio-sign language pairings.
- **Optimized gesture mapping** by training on a comprehensive dataset, boosting model precision and user experience.

HEALTH++ - SMART MEDICAL WEBSITE (Oct, 2024 – April 2025)

- **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** for secure, real-time document storage and retrieval**.**
- **Improved user experience and data accessibility** by streamlining medical record handling workflows.

EXPERIENCE

Huwats India Pvt. Ltd., Bengaluru (Nov, 2024 – Feb 2025)

- As an **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 AND ACHIEVEMENTS

ACHIEVEMENTS

- Engaged with community discussions during the **100 Days of Code** project, sharing insights after completing each milestone; cultivated collaborative learning habits that enhanced overall understanding among peers involved in similar initiatives.
- **Achieved a top 5% rank** in the **NPTEL** Cloud Computing exam, demonstrating expertise in technologies and academic excellence.
- Attended the **INSPIRE camp** in class 10, selected as a **top 1% of students in the board**.

EXTRACURRICULAR

- **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.

CODING PROFILE

GFG