

Soumik Roy
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Bachelor of Technology
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EDUCATION

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| • B.Tech in Computer Science and Engineering
<i>VIT Bhopal University, Bhopal</i> | <i>Sep 2022 - Ongoing</i>
CGPA: 8.81 |
| • Senior Secondary Education (Class 12)
<i>Chinmaya Vidyalaya, Bokaro, Jharkhand</i> | <i>May 2022</i>
Percentage: 80% |
| • Secondary Education (Class 10)
<i>Chinmaya Vidyalaya, Bokaro, Jharkhand</i> | <i>May 2020</i>
Percentage: 92% |

EXPERIENCE

- Web Developer Intern**
Pratigya NGO Remote
- Designed and developed content for Pratigya’s official website, enhancing its user interface and accessibility.
 - Contributed to the NGO’s mission of providing quality education to underprivileged children by improving its online presence.

PROJECTS

- Skin Lesion Detection – A Defective Skin Detection Model**
Machine learning-powered skin lesion detection model integrated into a full-stack web app [Link](#)
- Developed a machine learning-powered skin lesion detection model integrated into a full-stack web app with real-time analysis, visualization, and high-accuracy classification to support early diagnosis.
 - Used Python, TensorFlow, OpenCV, ReactJS, MySQL, Matplotlib.
 - Role: ML Developer.
- Hasth-Akshar – A Sign Language Detection Model for Devanagari**
Hindi sign language detection system using stickman analysis, NLP, and deep learning [Link](#)
- Built a Hindi sign language detection system using stickman analysis, NLP, and deep learning to transcribe video gestures into Hindi words.
 - Used MediaPipe, OpenCV, TensorFlow, NLP, OpenForce, and a custom video dataset.
 - Role: Computer Vision Developer, Front-End Developer.

CERTIFICATIONS

- GEN AI Using IBM Watsonx** *April 16, 2025*
Successfully completed IBM Career Education Program - Cognitive Class
- Privacy and Security Course** *April 2024*
NPTEL

ACHIEVEMENTS

- Zelestra X AWS ML Ascend Challenge 2nd Edition** *Finalist*
- Secured finalist position among top 50 teams from 1500+ registered teams and 7000+ participants in a machine learning competition focused on solar energy datasets.

TECHNICAL SKILLS

Java, Python, C/C++, JavaScript, MongoDB, MySQL, Data Structures, Bootstrap, Git, GitHub, HTML, CSS, Web Development, AI/ML

LEADERSHIP & EXTRACURRICULARS

- Founder**– Eureka Club - VIT Bhopal *2024-2025*
- Founded the Eureka Club, a research and development club dedicated to fostering innovation and assisting students and professors in their research endeavors.
 - Managed a team of over 100 members.
- Core Technical Team Member**– IoT Club - VIT Bhopal
- Contributed to the IoT Club as a member of the core technical team, helping to develop projects and build the website.