Soumik Roy

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EDUCATION

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

- **Founder & President** – Eureka Club - VIT Bhopal

  – Founded the Eureka Club, a research and development club dedicated to fostering innovation and assisting students and professors in their research endeavors.

- **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.

TECHNICAL SKILLS

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

LEADERSHIP & EXTRACURRICULARS

- **Event Organizer** – Advitya 2025 - VIT Bhopal

  – Organized technical events in Advitya 2025, the biggest technical fest of VIT Bhopal University, coordinating with multiple departments and managing event logistics.
  – Successfully facilitated workshops, competitions, and seminars that attracted over 500+ participants from various colleges across the region.
  – Led a team of volunteers to ensure smooth execution of events while maintaining high standards of organization and participant engagement.