Adrija Ghosh

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I am Adrija Ghosh, a B.Tech student in Computer Science and Engineering at IEM Kolkata. With a strong passion for web development, machine learning, and deep learning, I am constantly seeking to expand my knowledge and skill set in these areas. I have experience in creating small projects using machine learning and am proficient in HTML, CSS, and React.

Skills:

Web Development: HTML, CSS, React Machine Learning: Experienced in creating small projects and applying machine learning techniques.

Deep Learning: Conducted research on deep learning models, specifically PSPNet for remote sensing.

Competitive Coding: Currently undertaking a 100 days LeetCode challenge to enhance coding and problem-solving skills.

Hardware Designing: Demonstrated proficiency in hardware design through various competitions and projects.

Experience:

Research Assistant at IEM IEDC CSE, Kolkata (Mar 2024-Current)

- Semantic Edge Detection using PSPNet: Implemented and tested the applicability of PSPNet in semantic edge detection using satellite images.

- **Best Paper Award:** Secured the top position in the poster presentation category at the International Conference on Artificial Intelligence & Sustainable Computing (AISC 2024) for my research on a novel deep learning model (PSPNet for remote sensing).

Student Researcher at IEM Institute of Fundamental Research, Kolkata (Mar 2023-Current)

- Worked on projects like "Magnetic Field Sensing Anti-Theft Luggage Security – Tag and Tracker" and "Waste Oil (Lubricant) Recycler."

- **Ranked AIR 4 in IOCL Sustainathon 2024**: Achieved All India Rank 4 in the IOCL Sustainathon 2024, organized by Indian Oil, showcasing my skills in hardware designing and innovative problem-solving skills for the project Waste Oil Recycler.

- **Winner of Green Bengal Innovation Contest:** Won the Green Bengal Innovation Contest under the Young Innovators category, organized by SwitchON Foundation.

Education:

Institute of Engineering And Management,Kolkata (Btech 2022-2026) Computer Science and Engineering

- 1st year YGPA: 9.87   **Ranked 3rd in CSE in 1st Year**
- 2nd year YGPA: 9.83