

Stuti Jain

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EDUCATION

IIT Roorkee | BACHELOR OF SCIENCE

Chemical Sciences (2024-2028)

Lovely Public School Priyadarshini Vihar, Delhi | PCM WITH CS

EXPERIENCE

Information Management Group (IMG) 🔗

Developer and Designer | Feb 2025- Present

- Contributed as a developer and designer to diverse lab assignments and application development projects, actively participating in ideation and building practical experience through collaborative software design.
- Selected as a member of IMG Labs, from amongst 1300+ applicants, engaging in advanced development and design projects.

QCG 🔗

Developer | Feb 2025- Present

- Selected as a developer in QCG- Quantum Computing Group, IITR.
- Responsible for the development, maintenance, and timely updates of the official Quantum Computing Group (QCG), IIT Roorkee website, ensuring accurate information during annual hackathons.

IIT Roorkee Model United Nations 🔗

Core Member and Web Developer | Oct 2024- Present

- Served as an executive in the team, managing the sponsorship vertical during the IRMUN annual event, MUNarchy, ensuring optimal results and a seamless experience throughout the conference.
- Represented the IRMUN team as a delegate at the recent BITS MUN Pilani conference.
- Actively participated in all club activities and regular meetings, consistently contributing my best efforts to support the club's initiatives.

PROJECTS

Pothole Detector 🔗 | REAL-LIFE POTHOLE DETECTION

Yolo-v8

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- Developed a "Pothole Detector" system using a real-time camera for detecting potholes and road assets (e.g., humans, traffic signals), with bounding boxes and labels for identified objects.
- Utilized a dataset created on Roboflow and trained the model with YOLOv8 to recognize road hazards and assets, ensuring accurate detection in various conditions.
- Implemented image similarity techniques to avoid saving duplicate pothole images, with results stored locally for further analysis. Applied machine learning and image detection methods using Python.

SKILLS

PROGRAMMING

• C++ • Python • JavaScript • YOLO-V8

TECHNOLOGY

• Linux • UNIX • Git • Bash

ACHIEVEMENTS

Unison MUN  | May 2023


Verbal Mention representing Brazil in G20 Committee.

Hindustan Olympiad  | 2022

Secured 1st rank at the district level in the Olympiad and awarded a cash prize for outstanding performance.

NAEST  | Sep 2019

Successfully cleared the screening round of NAEST (National Anveshika Experimental Skill Test) hosted by IIT Kanpur in the first attempt.

SilverZone Olympiad  | 2019

Participated in the International Olympiad of Mathematics; secured 1st position in class and achieved a state rank of 35.

EXTRACURRICULAR

Lovely Public School Priyadarshini Vihar 

Discipline Secretary | May 2023- March 2024

Responsible for mentoring 1000+ students, maintaining discipline across the campus, and ensuring adherence to school rules and regulations.