

Lakshay Bhushan

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EDUCATION

- **Indraprastha Institute of Information Technology (IIIT Delhi)** New Delhi, Delhi
B.Tech in Computer Science and Social Sciences 2021 - Present

EXPERIENCE

- **Knowledgeable Computing and Reasoning Lab** Jan 2024 - Present
Undergraduate Student Researcher
 - Conducting research under the guidance of Dr. Raghava Mutharaju (IIIT Delhi) and Dr. Cogan Shimizu (Wright State University) on evaluating ontology quality.
 - Developing metrics for ontology assessment, focusing on empirical validation and quality improvement.
- **HeydoTech** Nov 2023 - Feb 2024
Frontend Developer Intern
 - Developed frontend for **wa.ai** (WhatsApp AI chatbot SaaS) using **Next.js**, **TypeScript**, & **Tailwind CSS**.
 - Created a desktop dashboard GUI for **AutoMate** using Python's customTkinter library.
 - Designed & developed the official landing page for **HeydoTech** using **Framer**.

SKILLS

- **Languages:** Python, C++, C#, Java, SQL, SPARQL, JavaScript, TypeScript
- **Frameworks/Libraries:** Astro, Next.js, React, Tailwind CSS, Vuforia, Git, GitHub, Protégé
- **Design Tools:** Unity, Figma, Framer, Blender, Adobe Photoshop | Illustrator

PROJECTS

- **morph2json** | *Any Data to type-safe JSON Converter* — [Demo Video](#) 2024
 - ****Under Development**** An **API SaaS** that converts any textual data into a fully type-safe json using LLM which is then validated against a user defined schema/format.
- **OEPP** | *Ontology Evaluation Protégé Plugin* — [Github](#) 2024
 - Developed a **Protégé** plugin to evaluate ontologies using predefined metrics, providing scores based on structure and content with color-coded quality indicators and detailed explanations accessible via the Help button.
- **KalaKunj** | *Traditional Indian Art Showcase in AR* — [GitHub](#) 2024
 - Built an **Android** AR app showcasing Indian arts using **Unity Vuforia SDK**, 3D maps in **Blender**, UI from **Figma**, and an AI chatbot with **OpenAI API**.
- **voyageVR** | *End Traveller Focused VR Tourism* — [GitHub](#) 2023
 - Created a VR tourism prototype for VoyageHacks hackathon using **Unity** and **C#** with **Google Map Photorealistic Tiles**, **Cesium Ion API**, and **Meta SDK**.

POSITIONS OF RESPONSIBILITY

- **TEDxIIITD** | *Executive Committee Member*
 - Designed & implemented cohesive visual branding for TEDxIIITD 2023.
- **E-Summit IIITD** | *Creatives Team lead*
 - Led creatives team for E-Summit IIITD 2023, ensuring high-quality event organization, design leadership.
- **E-Cell IIITD** | *Head of Design at E-Cell IIITD*
 - Directed the design aspects for a variety of events at E-Cell IIITD, demonstrating strong leadership, team management, and a commitment to delivering quality designs.

ACHIEVEMENTS

- Winner at Voyagehacks Hackathon (2023 - 2024) by [tbo.com](#) and received a cash prize of **₹5 Lakhs (\$6000+)**
- Runner-Up at DevHaven Hackathon by BYLD IIITD (2024)