

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

RELEVANT COURSEWORK:

Computer Science: Data Structures & Algorithms, Analysis & Design of Algorithms, Advanced Programming (OOPS), Operating Systems, Database Management Systems, Human-Computer Interaction, Semantic Web, Computing for Medicine

Cognitive Science: Neuroscience of Decision Making, Learning & Memory, Attention & Perception

Design: User Experience Design of XR, 3D Creation for Extend Reality

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 a project aimed at evaluating ontology quality.
 - Developing metrics for ontology assessment, emphasizing empirical validation and improvement of quality standards.
- **HeydoTech** Nov 2023 - Jan 2024
Frontend Developer Intern
 - Developed the user interface for **wa.ai** (WhatsApp AI chatbot SaaS), covering admin dashboard, landing page, API integration, and authentication, using **Next.js**, **TypeScript**, and **Tailwind CSS**.
 - Created a desktop dashboard GUI for **AutoMate** using Python's **customTkinter** library to facilitate dynamic input field generation from MongoDB backend responses.
 - Designed & developed the official landing page for **HeydoTech** using **Framer**.

SKILLS

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

PROJECTS

- **What the Hack?! | Hacker News AI comments summarizer** — [Github](#) 2023
 - Developed a web tool using **Next.js**, **Tailwind CSS**, **Cloudflare Workers AI**, and **Vercel** to summarize HackerNews comments and generate illustrative images.
- **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 and implemented visual branding elements for TEDxIIITD 2023, ensuring a cohesive and engaging aesthetic across promotional materials and event presentations.

- **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 top-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)