Ishita Lal

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EDUCATION

Indira Gandhi Delhi Technical University for Women — 2022 - 2026
Bachelor of Technology in Computer Science & Engineering — *New Delhi, India*

Universal Public School — 2021 - 2022
CBSE (Class XII) — Aggregate: 92% — *New Delhi, India*

Universal Public School — 2019 - 2020
CBSE (Class X) — Aggregate: 93% — *New Delhi, India*

TECHNICAL SKILLS

Programming Languages:	Python, Java, C++, Kotlin, HTML/CSS, JavaScript
Data Structure & Algorithm:	Proficient in efficient algorithms and data structures
Databases & BI Tools:	SQL, MongoDB, PostgreSQL, Tableau, Power BI
Libraries & Frameworks:	React, Express, Node.js, Flask, Pandas, Numpy, Matplotlib, Seaborn, NLTK, TensorFlow, Langchain, Chainlit, HuggingFace, Streamlit
Backend Development:	REST APIs, Authentication, Server-Side Logic, Middleware
MERN Stack:	MongoDB, Express, React, Node.js
Data Science & Analytics:	Machine Learning, Deep Learning, Data Analysis, Generative AI
Mobile Development:	Android

WORK EXPERIENCE

Defence Research and Development Organisation (DRDO) — June 2024 - Present
AI - ML Intern

- **Biometric Attendance System:** Developed a Kotlin app for biometric attendance using face detection and recognition.
- **Face Detection and Recognition:** Utilized quantized AI/ML models for optimized mobile performance.
- **Face Embeddings:** Generated unique embeddings for accurate identification.

POSITION OF RESPONSIBILITY

Events and Partnership Director — December 2024 – Present
180 Degrees Consulting IGDTUW — *New Delhi, Delhi*

Chief Experience Officer — August 2023 – Present
YouthXConnect — *New Delhi, Delhi*

PROJECTS

Humanize AI (In Collaboration)

- **Backend Development:** Led the backend development using Flask for a no-code platform allowing users to create and train AI bots.
- **Data Management:** Engineered a long-term memory system using a vector database, integrating OpenAI's GPT to enhance platform capabilities.
- **Platform Features:** Designed a platform enabling users to create personalized AI bots with effective data storage and utilization.

SQLGen (Hackathon Team Project)

- **Quantized Model:** Quantized the model for better efficiency, developing an AI tool that generates SQL queries from schema and user questions.

TRAININGS

CSRBOX: Data Analytics Internship Plan — Oct 2023 - Dec 2023
IBM SkillsBuild

CERTIFICATIONS

Complete Machine Learning & Data Science Bootcamp 2023 - Udemy

Desh Ke Mentor - CSD, IGDTUW

Developing Soft Skills and Personality - NPTEL