

RITWICK JOHARI

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[Github](#) | [LinkedIn](#)

Education

Guru Gobind Singh Indraprastha University, Delhi

August 2022-July 2026

University School of Automation and Robotics

CGPA: 7.8/10

B. Tech in Artificial Intelligence & Data Science

Class XII – Senior Secondary Education

March 2022

Central Board of Secondary Education (CBSE)

Percentage: 85

Ahlcon International School, Delhi

Class X – Senior Education

March 2020

Central Board of Secondary Education (CBSE)

Percentage: 85

Ahlcon International School, Delhi

Experience

IBM Skills Build

07/2024 – 08/2024

AI-ML Intern

- Developed a robust data analytics framework to identify and predict the sources of contaminants in water bodies, leveraging advanced machine learning algorithms and statistical methods.
- Analyzed multiple water quality parameters and contamination indicators to uncover patterns and insights into sources of pollution.
- Utilized predictive modeling to enable data-driven decisions for timely and effective interventions aimed at managing and mitigating water pollution.

CSRBOX

October 2024

Event Management Intern

- Supported day-to-day operations, collaborated with clients, and assisted in event registration, exhibition setup, and speaker coordination.
- Acquired hands-on exposure to program management, team leadership, and data management, significantly boosting problem-solving and agile project management skills.
- Proposed innovative ideas to enhance event planning and implementation processes, improving overall efficiency and effectiveness.

Projects

IOT-FOG Based Healthcare System

08/2024 - Present

- Spearheading the development of an IoT-Fog based healthcare solution aimed at revolutionizing patient monitoring and wellness prediction.
- Building a robust infrastructure integrating IoT devices and fog computing to ensure seamless data flow, real-time analytics, and improved system responsiveness and reliability.

Krishi-Tech

07/2024 - 08/2024

- Led the development of KrishiTech, a comprehensive agricultural app designed to maximize farmer profits through innovative technology.
- Engineered features including crop disease prediction, raw material and fertilizer recommendation, and a marketplace for connecting farmers with buyers.

Skills

Languages: Python, Java, C/C++, SQL, Go Language

Data Science: Machine Learning, Data Analysis, Deep Learning, Computer Vision, NLP, Generative AI, Big Data

ML Tools and Frameworks: TensorFlow, PyTorch, Scikit-Learn, Tableau, Pandas, NLTK, Hugging Face, PySpark

Big Data Technologies: Apache Hadoop, Apache Spark, Apache Kafka, R Language, Microsoft Excel

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)

Positions of Responsibility

Web Developer, Student Development Cell, GGSIPU

08/2023 - Present

- Tasked with developing and maintaining key university IT projects, ensuring robust functionality and modern user interfaces to support the academic and administrative needs of the university community.
- Orchestrated a tech-fest with 600+ participants, featuring coding competitions and a hackathon with Devfolio.

Joint Secretary, IEEE-USAR Chapter

04/2023 – 09/2024

- Coordinate and oversee chapter events and initiatives, enhance member engagement, and contribute to the promotion of technical education and research collaboration.

General Secretary, Ek Bharat Shrestha Bharat & Viksit Bharat Club, GGSIPU

04/2023 – 09/2024

- Leading efforts to promote cultural integration and national unity through diverse events and programs, fostering a greater understanding among students from different states.

Class Representative, AI-DS, USAR

08/2022 - Present

- Actively representing the interests and concerns of classmates, facilitating communication between students and faculty, and organizing class-related activities.