

# MEDHA JHA

Jalandhar, India | +91 8709684588 | [Email](#) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

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### LOVELY PROFESSIONAL UNIVERSITY - Jalandhar, India

Bachelor of Technology

Expected May 2027

Major: Computer Science

Cumulative GPA: 8.61/10

Relevant Coursework: Full-Stack Development, Software Engineering, Operating Systems, Algorithms, Artificial Intelligence

### RAJA RAM SHAH COLLEGE - Raxaul, India

Secondary School Examination – 82%

2021-2022

## WORK EXPERIENCE

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### SKILLCRAFT TECHNOLOGY - [GitHub](#) | [Certificate](#) | [LOR](#)

ML Intern - Remote

Jul 2025

- Developed a deep learning model to classify 10 unique hand gestures, enabling intuitive human-computer interaction.
- Engineered a **full-stack** application using a **Flask API** for back-end and a front-end with **HTML, CSS, and JavaScript**.
- Integrated a **live camera** feed and a trained model to provide **real-time gesture predictions** and features such as an **interactive web UI** with **animations**, and a user-friendly dark/light mode toggle.

### DELOITTE - [Certificate](#)

Virtual Internship and Job Simulation

Jun 2025

- Completed **Deloitte Australia's Data Analytics Job Simulation**, gaining practical experience in **data analysis** and **forensic technology**.
- Applied skills to real-world tasks, including using **Excel** to classify datasets and derive business conclusions.
- Developed an interactive **Tableau dashboard** to **visualize insights** and **present data** effectively.

### TATA GROUP - [Certificate](#)

Tata group Job Simulation

Jun 2025

- Completed **Tata Group's GenAI Powered Data Analytics Job Simulation**, gaining practical experience in **AI-powered data analytics** and **strategy development**.
- Conducted **exploratory data analysis (EDA)** using **GenAI tools** to assess data quality and identify risk indicators.
- Proposed and justified a **no-code predictive modelling framework** to assess **customer delinquency risk**.
- Designed an **AI-driven collections** strategy leveraging **agentic AI** and **automation**.

## PROJECTS

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### INTERACTIVE DSA COURSE RECOMMENDER - [GitHub](#)

Aug 2025

- Developed a **full-stack web application** to help students plan courses using **DSA, Python, Flask, JavaScript, Tailwind CSS, and Firebase**.
- Implemented **graph visualization** for course dependencies, **Trie-based** course search, **BFS** for eligibility, and **Topological Sort** for semester planning.
- Applied **DSA concepts, algorithmic optimization, and interactive visualization** to deliver **intelligent recommendations** and an **efficient user experience**.

### GASTROINTESTINAL CANCER DETECTION USING CNN - [Link](#) | [GitHub](#)

Mar 2025

- Developed a **Convolutional Neural Network (CNN)** model for early detection and classification of gastrointestinal cancer from medical imaging data.
- **Preprocessed and augmented datasets** to improve model accuracy, achieving **98%** detection accuracy and reducing false positives.
- Implemented and evaluated the model using **Python, TensorFlow - Keras**, and integrated results visualization for better clinical interpretability.

### HEALTH MANAGEMENT SYSTEM - [Link](#) | [GitHub](#)

Feb 2025

- Developed blockchain-based platform on the **Internet Computer (IC)** to address the challenges of scattered and vulnerable patient records in traditional healthcare systems.

- Utilized **blockchain** technology for **secure, immutable patient data**, Enabling seamless and secure sharing of patient information between different healthcare providers.
- Featured **Ayushman Bharat Health Account** (ABHA) integration for compatibility with India's national health ID system, Includes **AI assistant** for disease prediction.

## ACTIVITIES

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### CHIEF TECHNOLOGY OFFICER (CTO) — STUDENT CAREER COMMITTEE

Lovely Professional University

Mar 2025 – Present

- Spearheading the **technological direction** and **innovation strategy** for **SCC**, overseeing all **technical projects** and infrastructure.
- Leading a **multidisciplinary** student tech team to **design, develop, and deploy** impactful digital solutions for university events and initiatives.
- Directed the development of **websites, applications, and AI-driven tools** to enhance student engagement and operational efficiency.
- Mentored student developers, fostering a culture of innovation, coding best practices, and continuous learning.

### NATIONAL GLOBAL MANAGEMENT EDUCATIONAL (NGME) TRUST - Raxaul, India

Volunteer – Digital Literacy Trainer

Jun 2024 – Jul 2024

- Implemented **outreach** programs to inform families about the importance of education and helped them in enrolling in the school and Organized parents teacher meetings to discuss educational needs and discussed about the progress of their child.
- **Promoted Digital Literacy and Technology** Use by teaching people how to use mobile phones for study purpose enhancing infrastructure, improving teaching quality, and increasing access to education.

## ACHIEVEMENTS

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- **Ranked 5<sup>th</sup>** in Code Hunt event organized at IIT Ropar
- **Runners – up** at BlockseBlock Hackathon, a national-level **Blockchain**-based Hackathon held at multiple campuses across India - [Certificate](#)
- **Winners** at HackAI, AI based Hackathon at LPU - [Certificate](#)
- **Finalist** in Road Safety Hackathon conducted by NHAI
- Ranked **first** in a technical quiz – Wisdom war organized by Centre for Professional Enhancement club

## CERTIFICATIONS

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- **140 Hours DSA training - Hitbullseye** | [Certificate](#) Jul 2025
- Digital Systems: From Logic Gates to Processors - **Coursera** | [Certificate](#) Sep 2024
- Fundamentals of Network Communication - **Coursera** | [Certificate](#) Sep 2024
- DSA with C - **CSE Pathshala** | [Certificate](#) Mar 2024
- Python Programming - **Infosys Springboard** | [Certificate](#) Oct 2023

## ADDITIONAL

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**Technical Skills:** Python, C++, HTML, CSS, JavaScript, SQL(Advanced) , Node.js, Express.js, REST APIs, Version Control, Git, GitHub, Machine Learning

**Non-Technical Skills:** Problem Solving and Analytical Thinking, Collaboration and Teamwork, Communication skills, Adaptability and Continuous Learning