

# Kawaljeet Singh

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## EDUCATION

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- **University School of Information, Communication and Technology** Delhi, India  
*Bachelor of Technology - Information Technology* *September 2023 - August 2027*
- **Air Force Golden Jubilee Institute** Delhi, India  
*Higher Sec. School (94.4%)* *April 2021 - March 2023*

## SKILLS SUMMARY

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- **Languages:** C/C++, Java, Python
- **Frameworks:** Numpy, Pandas, tensorflow, Scikit Learn, Langchain, Spring Boot, React JS
- **Database:** MySQL, PostgreSQL, MongoDB
- **Core Skills :** OOPS, Data Structures and Algorithms, System Design
- **DevOps:** Docker, Kubernetes, Openshift, Helm, CI/CD pipelines

## WORK EXPERIENCE

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- **Maya and Maya enterprises** [\[Link\]](#) Remote  
*Intern* *November 2024 - January 2025*
  - Developed a fully functional and feature rich website for the company using wix studio and Javascript.
  - Collaborated with a team to design and implement a user-friendly interface.

## VOLUNTEER EXPERIENCE

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- **Google Developer Student Clubs** USICT, GGSIPU  
*AI/ML Team Member* *October 2024 - Present*

Organized 10+ tech events and hackathons with participation of 5000+ students.
- **ACM** USICT, GGSIPU  
*Web Team Member* *October 2024 - Present*

Developed and maintained 2+ university projects including Utkrishth Internship platform, and Hackathon website with 10,000+ active users.

## ACADEMIC PROJECTS

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- **Inventra — Inventory Management System:** [Link](#)

Developed a secure and scalable backend for an Inventory Management System using Spring Boot and MySQL. The system supports complete CRUD operations for managing users, products, categories, and transactions, with real-time inventory tracking. Integrated seamlessly with a React.js frontend to ensure smooth data flow and role-based access control.  
Tech Stack: Spring Boot, MySQL, REST API, React JS
- **SchoolOps — School Management System :** [Link](#)

Developed a full-stack School Management System using React, Spring Boot and MySql to automate student, teacher, attendance, fee, and academic workflows. Implemented role-based authentication, secure REST APIs, CRUD operations, and payment integration, reducing manual record handling while improving data accuracy, efficiency, and report generation for school administration.  
Tech Stack: React JS, Spring Boot, Java, MySQL, REST APIs
- **Delhi Housing Price Prediction Model:** [Link](#)

This project focuses on predicting housing prices in Delhi using various features such as area, location (longitude & latitude), number of bedrooms and bathrooms, balcony, parking, lift availability, and property type. I applied advanced machine learning techniques to train the model, and after rigorous testing, the XGBoost Regressor was found to be the most accurate, providing precise predictions.  
Tech Stack: ML, Flask, Docker, HTML, CSS, JavaScript, Render
- **HelioSense AI — Solar Intelligence Platform :** [Link](#)

Built HelioSense AI, a rooftop solar intelligence platform designed for real-world adoption using Python, Streamlit, OpenCV, LangChain, and LLMs. The system transforms satellite imagery into actionable solar feasibility insights through computer vision and AI, delivering end-to-end analysis including rooftop assessment, energy recommendations, financial insights, and regulatory guidance via a unified web interface.  
Tech Stack: Python, Streamlit, OpenCV, LangChain