DEEPANSH SHARMA

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Education

UPES Dehradun, India	**August 2022 - June 2026**
Bachelors of Technology Computer Science Honors– AI & ML	CGPA: 8.37/10.0
City Montessori School Lucknow, India	**March 2021 - May 2022**
ISC Higher Secondary Certificate	Percentage: 93.0/100.0
City Montessori School Lucknow, India	**March 2019 - June 2020**
ICSE Secondary School Certificate	CGPA: 95.0/100.0

Internship

IBM-Project Intern   **June 2025 – July 2025**

Air Quality Index Prediction Web App

- Built a full-stack AQI prediction system using Flask and React.js, integrating Random Forest and LSTM models with real-time predictions and health recommendations.
- Designed and deployed RESTful APIs with JSON communication, implemented data pre-processing, and created a responsive UI with modern design practices

Projects

1) **GUIDE PRO: Smart Chatbot for Expert Assistance**   **August – December 2024**

- **Technologies Used** – Java, React, HTML, CSS, MongoDB
- **Description** –
    - Developed an intelligent travel assistant with real-time recommendations, NLP-based intent recognition, API integration, and a robust Java backend.
    - Built an interactive React-based frontend with WebSocket communication, optimized performance through testing, and successfully deployed on a web server.

2) **SORT SMART: Advanced Waste Management System**   **January-May 2025**

- **Technologies Used** – Python, JavaScript, React, HTML, CSS, Flask
- **Description** –
    - Developed a waste classification system using deep learning models with real-time disposal guidelines and educational resources, integrated with a Python backend and APIs.
    - Built an intuitive React-based frontend with WebSocket communication, optimized performance through testing, and deployed on cloud platforms for scalability and accessibility

Skills

Programming languages: C, Java, Python, JavaScript   **Web Technologies**: HTML, CSS, JavaScript

ML/AI: Machine Learning Neural Networks, Deep Learning, Natural Language Processing (NLP), Computer Vision

Soft Skills: Communication, Leadership and Teamwork, Critical Thinking

Technical Certifications

- Introduction to Generative AI , Google Cloud , Coursera
- HTML ,CSS and JavaScript for Web Developers ,John Hopkins University ,Coursera
- DevOps Bootcamp 2024 iNT college - Institute of Innovation & Technology