

# KUNAL ARORA

Greater Noida, Uttar Pradesh, India | +91 8755819732 | kunal.22SCSE1180152@galgotiasuniversity.edu.in

[Linkedin](#) | [Website](#) | [Github](#)

## EDUCATION

**Galgotias University**, Greater Noida **Expected: June 2026**  
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence & Machine Learning) **GPA - 3.50**  
**Relevant Coursework:** Analysis & Design of Algorithms, Database Management System, Data Analytics, Digital Image Processing

**Gayatri Public School**, Agra **July 2020 - June 2022**  
Higher Secondary Education **GPA - 3.0**

## TECHNICAL SKILLS

**Programming Languages:** Java, Python  
**Technology:** Github (Version Control), BeautifulSoup, Requests  
**Database:** MySQL  
**Framework:** NumPy, Pandas, Matplotlib, Streamlit, MoviePy

## PROFESSIONAL EXPERIENCE

**Team Lead [Front-End Web Developer Intern (Remote)]** **June 2023 - July 2023**

### IBM SkillsBuild and CSRBOX

- **Conceptualized** and initiated the design of DineVerse, a **web-based** immersive dining interface aimed at eliminating physical menus by **100%**
- Directed a team of **6 developers** using **Agile** methodologies to successfully deliver DineVerse within the projected timeline. Utilized **HTML**, **CSS**, and **JavaScript** to build a seamless digital dining experience.
- Focused on future-proofing the platform by outlining the implementation of **AI-powered** queue management, aimed at **reducing** customer wait times in future releases.
- Demonstrated expertise in **remote team collaboration**, effective **task delegation**, and **project management**, ensuring smooth coordination and **timely completion** of project milestones.

## PROJECTS

**FARM-NEXA : AI Agricultural Assistant** **September 2024**

### Self-Initiated Project

- Developed **FARM-NEXA**, an **AI-powered** agricultural assistant aimed at improving **accessibility** for all farmers worldwide. It offers crop disease detection, weed control, and plantation guidance with **multilingual support** in **5+** languages, with the potential to assist **500M+** farmers globally.
- Designed for large-scale deployment, leveraging **AI-driven recommendations** and **voice interaction** via **OpenAI** and **Streamlit**. It promotes **sustainable** farming practices and has the potential for integration into **government** and private agricultural platforms, enabling nationwide precision agriculture and **data-driven** advisory services.

**STARSCAN.AI** **October 2023**

### NASA International Space Apps Challenge 2023

- Contributed as a **Junior AI Engineer** to the development of **STARSCAN.AI**, an AI-powered aerospace documentation explorer, by writing **Python** algorithms using **BeautifulSoup** and **requests** to scrape and process over **50+ NASA technical bulletin documents**, and employing **Streamlit** to build an interactive user interface for document querying and analysis.
- **Collaborated remotely** with a global team across the USA and Indonesia, integrating **Clarifai's GPT-4** for document analysis and leveraging **Pinecone** for efficient data retrieval, ensuring **consistency** and relevance in the final outputs.

**Recyclik - E Waste Facility Locator** **September 2023**

### Smart India Hackathon Pre-Qualifiers 2023

- Led the development of a **24/7 AI-powered chatbot**, providing real-time customer assistance and support, which **enhanced user satisfaction** and improved the e-waste management process.
- Innovated key features such as customized **educational pop-ups** highlighting e-waste hazards and a **streamlined** e-waste pickup scheduling system, contributing to a sustainable **e-waste ecosystem**.

## ACHIEVEMENTS/LEADERSHIP

- Published a research abstract titled **CRADR-AI: Climate Resilient Agriculture and Disaster Recovery through Artificial Intelligence** in the souvenir of the **4th World Environment Summit 2023**.
- Achieved **2nd** position in the **Smart India Hackathon Pre-Qualifiers 2023**, demonstrating innovative problem-solving and teamwork skills.
- Contributed to a team that was selected as a **global nominee** out of **5500+** projects submitted, showcasing excellence in **NASA International Space Apps Challenge 2023**.
- Served as a **Senior Student Member** of the **Galgotias Student Management Team**, coordinating **10+** high-profile events, including the annual fest and student club promotions, featuring Bollywood actors, politicians, and singers.