

# ARISH MANASIA

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## EDUCATION

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### K. J. Somaiya Institute of Technology

*B.Tech - Artificial Intelligence and Data Science - CGPA - 9.45*

2021 – 2025

Mumbai, India

### Mithibai College

*Higher Secondary Certificate (HSC) - Percentage - 86%*

2019 – 2021

Mumbai, India

### St. John's Universal School

*Indian Certificate of Secondary Education (ICSE) - Percentage - 78%*

2009 – 2019

Mumbai, India

## PROJECTS

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### [DetectNTranslate](#) | Flask, HTML, CSS, Bootstrap

2024

- Developed a web application that detects the language of input text and translates it into a selected target language for accurate results.

### [ToDo](#) | Flask, SQLAlchemy, Bootstrap, SQLite

2024

- Developed a responsive task management web app with features for adding, editing, deleting, and searching tasks.
- Integrated a contact form for user communication, utilizing Bootstrap for a mobile-friendly design.

### [Chat with PDF](#) | Ollama, Streamlit, Hugging Face Embeddings, Langchain, Chromadb

2024

- Created a system for conversational interaction with PDFs, enhancing information retrieval and productivity.
- Utilizes Ollama for language processing, Streamlit for the interface, Hugging Face embeddings for context extraction, and Langchain for system communication.

### [Kidney Stone Detection](#) | Python, TensorFlow

2023

- Developed a system for kidney stone detection using deep learning on a dataset of 17,999 CT images, achieving 96.82% accuracy.
- Utilized a convolutional neural network (CNN) for feature extraction and classification.

### [College Admission Chatbot](#) | Python, MySQL, Pyttsx3

2022

- Developed a chatbot for college admissions that allows users to ask questions in a conversational format, retrieving answers from a MySQL database.
- Designed to save time and enhance efficiency for students and staff by providing an alternative to in-person inquiries.

### [Canteen Management](#) | Java, BlueJ IDE

2022

- The project aims to automate the canteen ordering process, allowing students to order food online from the college canteen menu.
- The system generates bills based on selected food items, stores order data, and reduces manual efforts by managing orders efficiently.

## INTERNSHIP

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### [Michigan State University](#)

05 2024 – 07 2024

*Student Intern*

*East Lansing, USA*

- Conducted research on digital technology for climate-smart agriculture, collaborating with faculty and peers to develop innovative solutions.
- Analyzed data and assisted in creating digital tools, research reports, and presentations to enhance farming efficiency and sustainability.

### [Society for Data Science](#)

06 2023

*Data Science Intern*

*Mumbai, India*

- Creating systems for detecting and categorizing misinformation across different types of media.
- Created a custom dataset of 22k entries by web scraping ANI News and India Today Fact Check websites using BeautifulSoup, Selenium, ColBERT, and Google Reverse Image Search.

## Yanisa Execution [↗](#)

10 2023 – 12 2023

### Project Intern

Mumbai, India

- Defined project scope and objectives for a Learning Management System (LMS), ensuring alignment with business goals while creating user-friendly interface designs.
- Collaborated on integrating front-end and back-end systems, incorporating third-party tools like payment gateways and video conferencing to enhance functionality and user experience.

## Claidroid Technologies [↗](#)

12 2023

### Student Intern

Mumbai, India

- Learned to deploy and manage applications in the cloud using Microsoft Azure, including setting up virtual machines and utilizing Azure Storage.
- Gained experience in Java programming, focusing on object-oriented concepts and building applications.
- Developed skills in creating and maintaining responsive web applications using front-end technologies (HTML, CSS, JavaScript) and back-end technologies.

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, SQL, HTML, CSS

**Developer Tools:** VS Code, Git

**Technologies/Frameworks:** Flask, Bootstrap, Scikit-learn, Pandas, Matplotlib, Numpy, Plotly, MySQL, SQLite

## EXTRACURRICULAR

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### Aga Khan Development Network [↗](#)

2023 – 2025

#### Co-Convenor - ITREB India

Mumbai

- Fostered community and spiritual development by sharing information about ITREB events and engaging individuals in religious activities.
- Actively engage individuals in religious activities and events, ensuring they are well-informed about available spiritual knowledge.

### Computer Society of India - KJSIT Student's Chapter [↗](#)

2023 – 2024

#### Technical Admin

Mumbai

- Collaborated with domain admins to plan and execute events, ensuring smooth operations and effective teamwork within the CSI committee.
- Managed technical aspects of the annual tech fest, providing leadership and support to enhance the event experience and promote community growth.

### The Vigilance Scout and Guide Open Troop [↗](#)

2014 – Present

#### Scout

Mumbai

- Participated in environmental initiatives like tree planting and beach cleanups, and organized community camps to foster unity and support important causes.
- Contributed to community celebrations through performances and demonstrated commitment to Scout activities, making a positive impact on the community.

## CERTIFICATIONS

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- Crash Course on Python - Google
- Python Programming - IIT Bombay
- Python for Data Science - IIT Madras
- British Airways Data Science Job Simulation on Forage
- Data Science Foundations - Great Learning
- Data Mining - IIT Kharagpur
- Data Visualisation: Empowering Business with Effective Insights - Tata
- Microsoft Excel from Beginner to Advanced - Udemy
- Java Programming - IIT Bombay
- TCS iON Career Edge - Young Professional
- Participated in National Level Poster cum Project Competition - INTECH 2023, INTECH 2024
- Winner of National Design for Change Challenge 2020 - Aga Khan Youth and Sports Board for India
- Introduction to AI - Simplilearn
- Participated Campus Hackathon - K. J. Somaiya Institute of Technology

## WORKSHOPS

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- Student Orientation Workshop on **Android Application Development** - Google Developers
- AI for Students: **Build your Own Generative AI Model** - NxtWave
- **Practical Approach of Big Data Analysis** - Industry and Institute Interaction Cell, K.J. Somaiya Institute of Technology
- **Startup Success Story** - National Innovation and Startup Policy (NISP)
- **Innovation and Startup Opportunities in Healthcare** - NISP in association with Industry Institute Interaction Cell (IIC)
- **Innovation & Grit for a Successful Startup** - Institution's Innovation Council in association with Alumni Committee
- Workshop on **Making of Autonomous Bots** - India STEM Mission
- Participated in **Industrial Visit to Tata Institute of Fundamental Research**, Mumbai
- Participated in **Industrial Visit to Reliance Jio**, Mumbai