

# K.R MAHADEVAN

International Institute of Information Technology, Bangalore

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## Education

**International Institute of Information Technology, Bangalore**

*Master of Science in Digital Society*

**July 2023 – Present**

*CGPA: 3.57/4.0 (Current)*

**Charotar University of Science and Technology, Anand**

*Bachelor of Science in Information Technology*

**July 2020 – May 2023**

*CGPA: 9.91/10.0*

**GNFC Narmada Vidyalaya, Bharuch**

*Class XII*

**May 2020**

*Percentage: 62.15*

## Experience

**UX Research Intern**

**January 2024 – April 2024**

*Major Consumer Electronics Company*

*Bangalore, Karnataka*

- Conducted quantitative and qualitative research to understand user needs and pain points in file sharing through their devices. Analyzed data to identify trends and patterns in user behaviour.
- Communicated findings and recommendations to the design team for improvement in the file sharing experiences.

**Undergraduate Research Fellow**

**November 2021 – June 2022**

*Charotar University of Science and Technology*

*Anand, Gujarat*

- Developed an IoT-based saline control system to enable doctors and nurses to monitor the patient's saline flow remotely.
- Explored strategies to minimize the requirement for on-site presence of hospital personnel and implemented real-time status updates for individual patients within the healthcare facility.

## Projects

**Rural Karnataka Schools Dropout Analysis** | R | [GitHub](#)

- Performed an extensive analysis of dropout rate in rural secondary schools of Karnataka using a Fixed effects model to control for time-invariant factors.
- Involved identifying key factors related to the school infrastructure affecting the dropout rate, predicting the future dropout rate and suggesting policy measures to reduce them.

**ExplainAI** | Python, Streamlit, Deta Space | [GitHub](#)

- Developed a web application to quickly summarize large blocks of text and videos/podcasts.
- It also allows the user to summarize the text from web links as well as from locally uploaded PDF files.
- Used the Open AI API and Deepgram API for summarizing/transcribing the text and the Courier Email API to send emails to users to reset their password.

**WasteNot** | Figma, User Research | [Blog](#)

- Conducted extensive user research by interviewing and gathering insights from various stakeholders to understand e-waste management in Electronic City, Bangalore.
- Designed an intuitive and user-friendly UI to seamlessly connect consumers and formal recyclers for responsible e-waste disposal.

## Technical Skills

**Languages:** Python, R, C++, SQL, JavaScript, HTML/CSS

**Libraries and Frameworks:** Node.js, tailwind-css, tidyverse, dplyr, car, plm, ggplot2, plotly, shiny, pandas, numpy, sklearn, streamlit, matplotlib, seaborn

**Developer Tools:** Git, GitHub, VS Code, R Studio, Tableau, Figma, Jupyter Notebook, Quarto, Microsoft Office Suite

## Achievements/Awards

- Amongst the top 4 students out of over 130 students to get selected for the Undergraduate Student Fellowship (2020) at CHARUSAT University.
- Received the Top QA Contributor Award from Mattermost for Hacktoberfest 2022.
- Reached the West Zone Finals of National Inter-college Crossword Expedition 2023.

## Extracurricular

**Brand Bengaluru**

**July 2023 – October 2023**

*Volunteer*

*IIIT Bangalore*

- Contributed as a volunteer member, alongside three peers under the guidance of Prof. TK Srikanth, for the Tech Bengaluru Survey under the Brand Bengaluru initiative by the Govt. of Karnataka.
- Conducted qualitative analysis of survey responses and contributed to the development of a comprehensive recommendation report aimed at leveraging technology for improved efficiency and service delivery in the city.