

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

Samsung R&D Institute India

January 2024 – April 2024

Bangalore, Karnataka

- Led quantitative and qualitative research to understand user needs and pain points in file sharing through their devices. Spearheaded data analysis efforts 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

Charotar University of Science and Technology

November 2021 – June 2022

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

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

- Undertook extensive user research by interviewing and gathering insights from **17** stakeholders, including consumers, recyclers, and NGOs 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 in the city.

Spectrum Auction Price Analysis | *Python, Microsoft Excel, R* | [GitHub](#)

- Compiled and processed spectrum auction data from various governmental telecom agencies, implementing robust data cleaning techniques to ensure accurate analysis.
- Performed panel regression analysis to assess factors influencing spectrum auction prices, leveraging its ability to account for both temporal and regional variations and providing actionable insights that contributed to **3** published news articles.

Understanding University Students' Perceptions of AI Tools | *Survey Design, User Research*

- Conducted extensive qualitative research by interviewing **20** university students to explore their perceptions of LLM-based tools, analyzing their impact on accessibility, efficiency, and educational integrity.
- Provided insights to guide responsible AI integration in education, emphasizing ethical use, data privacy, and AI's role in supporting critical thinking and skill development.

Technical Skills

UX Research: Survey Design, Persona Development, User Interviews, Usability Testing, Expert Interviews, Competitive Analysis, Heuristic Evaluation, Contextual Inquiry, Machine Learning Methods, Statistical Analysis

Languages: Python, R, SQL, JavaScript, HTML/CSS

Developer Tools: Git, GitHub, VS Code, R Studio, Tableau, Figma, Jupyter Notebook, Quarto, Balsamiq, Google Workspace, Microsoft Office

Achievements/Awards

- Amongst the top **4** students out of over 130 students to get selected for the Undergraduate Student Fellowship 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 and 2024.

Extracurricular

Brand Bengaluru

Volunteer

July 2023 – October 2023

IIIT Bangalore

- Volunteered for the Tech Bengaluru Survey under Brand Bengaluru initiative of the Karnataka Government by analysing survey responses and contributed to recommendation report on leveraging technology for city services.