

Rutvik Kokate

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SUMMARY

Interaction designer having research interests across - design co-creativity, human-AI, tangible interactions. Excited about creative applications of computing technologies (LLMs, extended-reality) and their impact on design and society.

EDUCATION

- **Master of Design (MDes) | IIT Hyderabad | CGPA: 9.62** 2022-2024
- **Bachelor of Engineering (BE) Computer Engineering | Mumbai University | CGPA: 8.85**
2017-2021

EXPERIENCE

- **Project Scientist | AI Center of Excellence IIT Hyderabad** July 2024 - Present
- Project Aiswaryam - Building digital experiences and services for AI-powered urban governance platform, waste management assisting government bodies. A project under AI CoE Sustainable cities, Ministry of Education.
- **User Experience Intern | Optum UHG** May - June 2023
 - 'An interconnected digital experience for medication adherence and improved well-being among Thyroid patients'. Delivered a phygital working prototype.
- **Senior Data Engineer | LTI (Larsen Toubro Infotech)** 2021 - 2022
 - Experienced in solving data warehousing tasks leveraging python and linux scripting. Trained in database management, ML libraries, REST APIs, PowerBI and Azure_PowerBI data pipelines.
- **Project Lead | FCRIT, Vashi** 2020 - 2023
 - Part time role involving design and development of examination, hallticket generation software for examcell department which helped automate manual tasks, save resources, faster generation of halltickets.
- **Machine Learning Intern | Reliance PetroChemicals** May - June 2019
 - Optimization of Cash Flow Forecasting Algorithm with Machine Learning. Skills – R(Programming language), statistical data analysis/visualization.

EXTRA-CURRICULAR & ACHIEVEMENTS

- Course topper – highest CGPA Master of Design 2024, IIT Hyderabad.
- Conducted workshop on “Introduction to Unreal and Virtual Reality” at Woxsen University.
- CEED 2022 - AIR 140
- IIT Hyderabad 15th Foundation Day, Academic Excellence Award – Master of Design.
- Letter of Appreciations (IIT Hyderabad, FCRIT Vashi).

PUBLICATIONS

- **Automation of Examination Registration Process.** IJSRED-V3I6P51
 - International Journal of Scientific Research and Engineering Development • Nov 1, 2020
- **Human Pose Detection And Estimation.** IJCRT2009321
 - International Journal Of Creative Research Thoughts - IJCRT • Sep 15, 2020

COURSES & CERTIFICATIONS

- Front End Web Development with React (Coursera)
- Machine Learning A-Z with Python, R (Udemy)
- IoT hands-on training course.

RELEVANT SKILLS

- **Programming languages:** Python, R, C/C++, JavaScript.
- **Concepts:** Machine learning, Large language models, Design research methodologies, User research, Prototyping, Immersive reality.
- **Software:** Unreal, Unity, Android Studio, Figma, Blender.
- **Extra-curricular:** Team leadership, mentoring, public speaking.

PROJECTS

- Project Aiswaryam, IIT Hyderabad.
- Thesis : Leveraging LLMs for Context Aware Idea Generation. (IIT Hyderabad)
- Fluid Minds: Ferrofluids as an engagement tool. (IIT Hyderabad)
- An interconnected digital experience for medication adherence and improved well-being among Thyroid patients. (Optum)
- Digital Twins in VR and Unreal.
- Ancient Egypt with Augmented Reality. (IIT Hyderabad)
- Design/ development of Students Portfolio - DoD IIT Hyderabad website.
- Design/ development of INDReA (Interactive Digital Reality Application) Lab website - DoD IIT Hyderabad. (<https://indrea.vercel.app>)
- Automated Hall ticket Generation