

Sayush Maharjan

ML Engineer and Computer Vision Enthusiast

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EXPERIENCE

University of Missouri-Kansas City

Graduate Research Assistant

Sep 2024 - June 2025

- Conducted research and designed and implemented models based on Learned Image Compression for SAR image and thermal image compression, optimizing rate-distortion performance for efficient storage and transmission

YBC Services

Product Designer

Dec 2021 - Feb 2023

- Led the redesign of a unified platform integrating CRM, HRMS, and employee management systems to enhance user experience leveraging user feedback and a user-centered design approach
- Designed a responsive, multi-functional website combining news and e-commerce features

Buddha Shanti Homes

Product Designer

Dec 2021 - Mar 2022

- Led the UI design with the accountability of the design system
- Collaborated with the development team to improve product interface and experiences

YBC Services

Product Designer

Nov 2021 - Dec 2021

- Complete control over the design process, which includes wire-framing, design, prototyping, and testing, from gathering client needs to service launch
- Led the design of new landing pages for businesses with emphasis on providing customers with value and boosting engagement through the redesign of the website

Bent Ray Technologies Pvt. Ltd.

Web and UI/UX Designer

Dec 2020 - Feb 2022

- Directly collaborated with CEO and Design team to prototype, design and deliver the UI and UX experience
- Creating visual for digital creative materials

EDUCATION

University of Missouri-Kansas City

MS in Computer Science

Aug 2024 - Present

Relevant Coursework

- Computer Vision
- Deep Learning

Tribhuvan University

Bachelor of Science in Computer Science and Information Technology

Oct 2016 - Nov 2020

SKILL

Languages: Python, C/C++

Frameworks: PyTorch, Tensorflow

Libraries: Pandas, Matplotlib, NumPy, OpenCV

Version Control: Git, GitHub, GitLab

Web/Design: Figma, HTML/CSS, Webflow, JavaScript

Publications

Paras Maharjan, **Sayush Maharjan**, Zhu Li, Neil Rogers and George York, "Distributed Polarimetric SAR Compression with Joint Deblocking Using Side Information," 2025 IEEE International Symposium on Circuits and Systems (ISCAS), London, United Kingdom, 2025, pp. 1-5.