

Divyanshu Tiwari

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EDUCATION

Indian Institute of Technology Roorkee, India
Bachelor of Architecture

2017 - 2022
CGPA: 7.221/10

PROFESSIONAL EXPERIENCE

Credcore
Design Engineer

Dec 2023 - Present

- Responsible for looking after the UX and Frontend of Credcore's suite of products by converting design concepts into functional code to create consistent user interfaces.

Chronicle
Frontend Engineer

Feb 2022 - August 2023

- Developed the "Image Picker" feature, enabling users to seamlessly add stock images to slides.
- Closely collaborated with the Design team to implement icon and video blocks, from conception to completion.
- Enhanced the user experience by refining the forward slash and contextual menus, essential tools for adding blocks to slides, while also assisting senior engineers in addressing critical product bugs.

Razorpay
Product Designer

May 2019 - July 2019

- Worked on the design and development of an interactive section for the company's website to help their customers better understand their needs and recommend product solutions accordingly.

RESEARCH EXPERIENCE

Creativity Lab
UC San Diego

June 2021 - Nov 2021
Prof. Haijun Xia

- Worked on the development of a declarative JSON grammar through which one could create customized array animations to illustrate a range of array algorithms.

Memory Anxiety Research Group
IIT Roorkee

Nov 2020 - April 2021
Prof. Manish Kumar Asthana

- Responsible for developing a number of interactive virtual environments on Unity and Vizard 7. These were used to collect behavioural data of users by testing their performance on a set of tasks.
- Developed visualizations for participant's behavioural data thus collected to help my supervisor gain insights into their behaviour.

Net Zed Lab
IIT Roorkee

Nov 2018 - Dec 2018
Prof. Elangovan Rajasekar

- Built a prototype that automated the functioning of an AC remote controller. It helped in maintaining the AC at a temperature optimised for human comfort and energy efficiency.

PUBLICATIONS

- [E.1] Divyanshu Tiwari. **Fostering Collaboration and Empathy Through Games**. *Extended Abstracts of the 2020 Annual Symposium on Computer-Human Interaction in Play (CHI PLAY 20 EA)*.
- [F.1] Sambath RD, Divyanshu Tiwari, Deepak Kumar, Manish Kumar Asthana. **Impact of environmental color and instruction on wayfinding in humans**, 24 March 2023, *PREPRINT (Version 1) available at Research Square* [<https://doi.org/10.21203/rs.3.rs-2721767/v1>]
- [P.1] Abhishek Rathod, Ajay N, Aman Jaiswal, Divyanshu Tiwari, Surya Prakash G. **Coodle: A Low-Cost Tangible Programming System for Kids from Low-Income Households in India**. *Presented at the 12th Indian Conference on Human-Computer Interaction (IndiaHCI '21)*

[P.x] = Presentation, [E.x] = Extended Abstract, [F.x] = Full Paper

ACHIEVEMENTS

- 2021** Awarded **Professional Development and Innovation Award** for our work on **Coodle**, given to senior undergraduate students for innovative capstone engineering projects.
- 2021** Received full scholarship of \$800 to join the **Experiments in AI-Generated Media**, an online course organized by **MIT Media Lab**.
- 2021** Invited to **KU Leuven** as a **visiting scholar** at the E-Media Lab. Cancelled due to COVID-19.
- 2020** National finalists in **Innovate for an Accessible India Challenge** organised by NASSCOM Foundation and Microsoft India. Among the top 50 nationwide out of 3400 applications.
- 2020** Finalist in **CHI PLAY 2020 Student Game Design Competition**.
- 2020** Selected for **MIT India Initiative**, a joint workshop by MIT and Harvard on Design, Technology and Social Innovation. I was among the 300 participants who were chosen nationwide out of the received 5000 applications.
- 2020** National finalists in **Smart India Hackathon 2020**, which is a nationwide college level hackathon organised by the Government of India.
- 2018** National Winner of the **DesTech Challenge 2018** organized by NASA India with 200 entries.
- 2018** Winner of **Syntax Error**, an intra-college hackathon organized by SDS Labs at IIT Roorkee.
- 2017** Received **Merit Cum Means Scholarship**, worth Rs.40,000 each semester. It's given to economically backward students with more than 7 GPA.

VOLUNTEER

Information Management Group

2018 - 2022

- IMG is a student group that creates web applications to make everyday student life easier in college.
- Initially, I started out as a **UX Designer**, responsible for designing digital experiences for our application suite. Later on, I took up the responsibility of **Head of Design Innovation** to lead design efforts on on-going lab projects. Also recruited and mentored the next batch of juniors.

CHI PLAY 2020, TEI 2021

Student Volunteer

- Assisted session chairs with online moderation on Zoom and Discord during paper presentations, making sure all audience questions get answered by the presenter.

TOOLS

Frontend	HTML, CSS, Javascript, Typescript, React, NextJS, Tailwind CSS, d3.js, p5.js
Backend	NodeJS, Express, Python
Softwares Tools	Unity, Blender, Rhino, Grasshopper, Adobe Suite, Git