

# Arka Majhi

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## Education

<b>Industrial Design Centre (IDC) , Indian Institute of Technology(IIT) Bombay, India Masters in Design (M.Des.)   Interaction Design (HCI)</b>	<b>2016 - 2018</b>
<b>School of Planning and Architecture, New Delhi Bachelor of Architecture (B.Arch) Registered under Council of Architecture, India</b>	<b>2011 - 2016</b>

## Experience

<b>Course Coordinator - Data Science for Rural Development</b> <ul style="list-style-type: none"><li>Designed the structure and formulated the syllabus for the course which is now a part of the Technology and Development curriculum.</li><li>Initiated the idea and convinced the Head of the Department for its need.</li></ul>	August 2018
<b>Research Fellow, IIT Bombay</b> <ul style="list-style-type: none"><li>The research involved problem identification, ideation, and strategy design, execution of a pilot for imparting knowledge and skills through capacity building of the frontline workers.</li><li>Analysed child wise data from the 4th round of NFHS (National Family Health Survey) to see possible correlations with child malnutrition using STATA, R and Excel.</li></ul>	July 2018
<b>Research Intern (Product Development), ETV Bharat - Digital News app (in 23 Indian Languages)</b> <ul style="list-style-type: none"><li>Build UX flows, layouts and UX guidelines for the upcoming news app</li></ul>	January 2018- June 2018

## Softwares proficient in

<b>Data Visualization</b>	D3, Leaflet, Processing, Charts.js, QGIS, ArcGIS, Flourish, Datawrapper, Tableau, Power BI, Google Data Studio, Python Dash, R Shiny, and Plotly
<b>Data Analysis</b>	STATA, Python, R and Excel
<b>Database</b>	MySQL, MongoDB, Google Firebase and Google Sheets
<b>3D Modelling</b>	Sketchup, Blender, 3D MAX, Maya
<b>Game Engines</b>	Unity3D, Unreal Engine
<b>UI/UX</b>	Adobe XD, Figma, Axure

## Awards and Honors

### Ministry of Human Development and Resources Scholarship

- Awarded a full-scholarship for pursuing postgraduate studies.

July 2016-  
June 2018

### Ministry of Social Justice and Empowerment Scholarship

- Awarded a full-scholarship for pursuing undergraduate studies.

July 2011 -  
June 2016

## Academic Projects

### M.Des. Thesis - Training frontline healthcare Workers through Android games

- Assessment and Refresher Training for Anganwadi Workers (AWWs) or Frontline Workers for Mother and Child health care in India Designed and successfully piloted, an innovative refresher training and assessment through Android app, for the frontline health workers
- Link to project video: [https://youtu.be/a\\_9Ju1TEeuw](https://youtu.be/a_9Ju1TEeuw)

2017- 2018

### M.Des. Project - Novel interactions for navigating in VR sports

- Enhancing immersion in Virtual Reality sports through novel physical interactions and haptic feedbacks
- Link to project video: <https://youtu.be/Yo3DpL-ajEQ>

2016- 2017

## Conference Publications

### Asian CHI Symposium 2021(CHI 2021)

- Best paper (long) and best presentation award  
(Please consider it as my writing sample)  
Link to the paper <https://doi.org/10.1145/3429360.3468186>

2021

### Asian CHI Symposium 2022(CHI 2022)

- Best paper (long) and best presentation award  
Pending publication in ACM Digital Library

2022

## Conference - Student Volunteer

- Organising Member of IIT Bombay ACM SIGCHI Student Chapter (since November 2019)
- Asian CHI Symposium 2021 (CHI 2021)
- NordiCHI 2020 (October 2020)
- Interact 2017 and India HCI 2016 - Part of the organizing team at IIT Bombay

## Public Exhibitions

- Put up public exhibition (3 years in a row) in TechConnect at TechFest demonstrating my research projects of masters and doctoral research
- Visitors come to the stall, play and experience the designed games on sports and health in virtual environments and apps
- Link to exhibition video: <https://youtu.be/gR4iuzwCNu4>

Techconnect, TechFest  
2017, 18 and 19, at IIT Bombay

## Personal Interest

Playing and watching football | Playing DOTA and PUBG | Travelling and exploring rural and tribal India | Watching biographical and war/action movies | Swimming | Mentoring students | Teaching coding to kids | Building mud and bamboo houses for the poor | Organic Farming

Running my own Youtube Channel about healthcare (Knowledge dissemination for UNICEF India)  
(Few links to the youtube videos)

- [26 May, 2020 | COVID-19 Updates of India](#)
- [Comprehensive National Nutrition Survey \(CNNS\) | Reporting and Analysis \(Part 1\)](#)
- [Comprehensive National Nutrition Survey \(CNNS\) | Reporting and Analysis \(Part 2\)](#)
- [Human Development Report 2019 | Explained](#)
- [Global Nutrition Report 2020 | Reporting and Analysis](#)