



## Tridrik Dey

**Date of birth:** 21 Dec 1994 | **Nationality:** Indian | **Phone number:** (+39) 3512626034 (Home) |

**Email address:** [tridrik21@gmail.com](mailto:tridrik21@gmail.com) | **Email address:** [tridrik.dey@os.uniroma3.it](mailto:tridrik.dey@os.uniroma3.it) |

**Address:** Via Fiume delle perle 146, 00144, Rome, Italy (Temporary Residential Address)

### WORK EXPERIENCE

1 JAN 2024 – CURRENT Rome

**UNIVERSITY RESEARCH ASSISTANT** UNIVERSITÀ DEGLI STUDI ROMA TRE

In my role as a **Research Assistant** at Università degli Studi Roma Tre, I **design and develop** Virtual Reality (VR) training tools that address the challenges introduced by **collaborative 4.0 technologies**, focusing on workplace health and safety. Central to the FEREO project, my work involves creating VR-based tools to assess organizational resilience and provide **immersive, practical training environments**. I define and design key user-scenario interactions that replicate real-world risks, **incorporating haptic feedback** to enhance realism and engagement. This approach allows users to experience and adapt to simulated risks in a controlled yet impactful way.

My **research methodology** involves conducting **structured, subjective assessments** through controlled user tests. I examine how factors like haptic feedback and XR properties, such as **presence and embodiment**, influence user engagement and behavioural responses. **My primary objective is to determine whether the addition of haptic devices significantly increases the sense of presence and embodiment compared to traditional controllers.** By collecting and rigorously analyzing user data, I iteratively refine the VR scenarios to optimize their impact. This work not only advances safety training but also contributes to understanding **how immersive technologies can drive behaviour change** and support sustained transformation, aligning seamlessly with the broader objectives of XR research.

13 JUN 2018 – 30 SEP 2022 India

**BACK OFFICE MANAGER** JR MOTORS PVT LTD

In my role, I **managed data processing** within the **CRM-DMS portal developed by TCS for all Tata Motors dealers**, handling key operational aspects such as **billing, stock management**, and **serving as a liaison** between the dealership and Tata Motors. My responsibilities extended to **overseeing customer technical resources and various back-office functions**, ensuring seamless support across all administrative tasks. Working in a high-pressure environment, I **consistently met tight deadlines**, collaborated effectively with team members, and maintained excellent customer relations, contributing to the **smooth functioning of dealership operations**.

This role represents my second tenure with one of the previous company I worked, after an interim position elsewhere.

**Business or Sector** Information and communication | **Department** CRM-DMS | **Email** [gmsales.jrmotors@gmail.com](mailto:gmsales.jrmotors@gmail.com)

21 NOV 2017 – 11 JUN 2018 Kolkata, India

**ASSOCIATE ADVISOR** WIPRO LTD - BRITISH TELECOM PROCESS

I provided comprehensive technical support and customer service for UK customers across Broadband, Internet, Optical Fibre, TV, Mobile, and Telephone services, resolving technical, maintenance, and billing issues to maintain high satisfaction levels. My role involved managing detailed records of customer interactions, processing orders, and ensuring strict adherence to SLAs. I also analyzed customer feedback to enhance service quality and improve customer experiences. **Consistently achieving a 10/10 CSAT rating, I met key performance metrics and team targets, and was recognized as Second Runner-Up Performer in British Telecom Process Training.**

**Business or Sector** Information and communication | **Department** British Telecom Process | **Email** [info@wipro.com](mailto:info@wipro.com) |

**Website** <https://www.wipro.com/>

21 NOV 2016 – 20 NOV 2017 India

**BACK OFFICE MANAGER** JR MOTORS PVT LTD

In my role, I **managed data processing** within the **CRM-DMS portal developed by TCS for all Tata Motors dealers**, handling key operational aspects such as **billing, stock management**, and **serving as a liaison** between the dealership and Tata Motors. My responsibilities extended to **overseeing customer technical resources and various back-office functions**, ensuring seamless support across all administrative tasks. Working in a high-pressure environment, I **consistently met tight deadlines**, collaborated effectively with team members, and maintained excellent customer relations, contributing to the **smooth functioning of dealership operations**.

**Business or Sector** Information and communication | **Department** CRM-DMS | **Email** [gmsales.jrmotors@gmail.com](mailto:gmsales.jrmotors@gmail.com)

I conducted both manual and automated testing on the iCargo software for Lufthansa Cargo, ensuring high product quality and reliability. My role involved using the IBM-Rational Functional Tester for automation, reporting bugs with detailed prioritization, and upholding software quality standards. With expertise in automation tools like Selenium and programming languages including Java, Spring MVC, JavaScript, HTML5, CSS, Bootstrap, and Node.js, I contributed significantly to the testing process. **I was commended for timely task completion, adherence to office protocols, and quick learning, and was recognized as an outstanding performer in Software Test Training.**

**Business or Sector** Information and communication | **Department** LH-iCAP | **Email** [ibsindia@ibsplc.com](mailto:ibsindia@ibsplc.com) | **Website** <https://www.ibsplc.com/>

## ● EDUCATION AND TRAINING

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27 SEP 2021 – 27 NOV 2023 Padova, Italy

**MSC IN ICT IN INTERNET AND MULTIMEDIA** University of Padua, Italy

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**Abstract:**

Point clouds have become essential for different industries that require 3D modeling of objects or environments. Thus exploration of point clouds has become imperative and subjective evaluation is often used to understand how humans perceive, interpret, and interact with the point cloud data. This interaction as an outcome naturally involves physical mobility around the object. Hence, human trajectory plays a crucial role in accessing and analyzing point cloud models. When exploring a 3D point cloud model, users navigate through the data set and view different parts of it from different angles and perspectives in order to fully understand and interpret the data. This physical movement pattern around a scene results in individualistic camera paths, taking into account the same data set for all the users. Therefore, by aggregating all camera paths and extrapolating a mean trajectory, it's possible to formulate a collective reference path for generating a more comprehensive 2D video that can then be used for further subjective assessment and analysis. This further analysis highlights precise visual evaluation and gives insights into the completeness of the integral data.

**Graduated with the over all score of 90.**

Following are few relevant subjects with their score:

**Usability and User Experience: 27/30**

**Human Computer Interactions: 28/30**

**Digital and Interactive Multimedia: 28/30**

**Internet of Things & Smart Cities: 28/30**

**Non Verbal Communication: 30/30 (with Honors)**

**Address** Department of Information Engineering, University of Padua, via G. Gradenigo 6/b , 35131, Padova, Italy |

**Website** <https://www.unipd.it/en/> | **Field of study** ICT in Internet And Multimedia | **Final grade** 90 |

**Thesis** User Pattern Exploration in Immersive Applications

31 JUL 2011 – 30 JUL 2015 Kolkata, India

**BACHELOR OF TECHNOLOGY** Maulana Abul Kalam Azad University of Technology

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**Academic Project:**

**Cell Phone Detector:** Developed a device to detect mobile radio frequencies and trace communication activity in restricted zones.

**Highlights:**

Improved CGPA from average to top of the class. Also recognized for active participation in **BSNL, Indian Railway, GlobsynSkills, and Knowledge Lab training programs.**

**Address** Netaji Subhash Engineering College , Kolkata, India | **Website** <https://makautwb.ac.in/> |

**Field of study** Electronics and Communication Engineering | **Final grade** 7.94 | **Type of credits** ECTS | **Number of credits** 240 |

**Thesis** Cell Phone Detector

31 MAR 2010 – 30 MAR 2011 Kolkata, India

**INDIAN SCHOOL CERTIFICATE [ISC]** Council for Indian School Certificate Education [CISCE]

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**Highlights:**

Appointed School House Prefect for exceptional leadership and student management. Volunteered for School's 25th Jubilee and Sports, awarded a Medal for contribution.

**Address** Douglas Memorial Higher Secondary School, Kolkata, India | **Website** [www.dmhss.org](http://www.dmhss.org) | **Field of study** Science | **Final grade** 71.71%

**Address** Douglas Memorial Higher Secondary School, Kolkata, India | **Website** [www.dmhss.org](http://www.dmhss.org) | **Field of study** General | **Final grade** 82.43%

Kolkata, India

**INTERNSHIP** KnowledgeLab [Incubated at STEP IIT Kharagpur]

- Internship and certification on training and project on Embedded System with Micro-Controller at KnowledgeLab, Kolkata as a part of the under graduation.
- The grade obtained in the internship is 'A' which is among one of the highest secured score.

**Certificate Number: KL-NSEC-ECE-ST14-00826**

**Certificate Date: 10th September, 2014**

**Website** <https://www.knowledgelab.co.in/> | **Field of study** Embedded System | **Final grade** A

Kolkata, India

**VOCATIONAL TRAINING** Department of Signal & Telecommunication, Eastern Railway

- Vocational training on Telecommunication Technology consisting of ISDN Exchange, IP Exchange, OFC Control Communication System, Digitised PA system, Train Information Display Board and CCTV camera in the month of June to July, 2014.

**Certificate Date: 24 September, 2014**

**Website** <https://er.indianrailways.gov.in/> | **Field of study** Telecommunication Technology

Kolkata, India

**VOCATIONAL TRAINING** Bharat Sanchar Nigam Ltd [BSNL]

- Completion of the vocational training of **Advanced Telecom** for 2 weeks with effect from 07 October 2013 at CTTC Kolkata, BSNL.
- The performance during the training has been defined as "**Excellent**" according to the certificate.

**Certificate No: PVT13/Adv(2)/29**

**Certificate Date: 19 October, 2013**

**Website** <http://cttckol.bsnl.co.in/> | **Field of study** Advanced Telecom | **Final grade** Excellent

Kolkata, India

**VOCATIONAL TRAINING** GlobsynSkills [under National Skill Development Corporation(NSDC)]

- Successfully completed the vocational training program in **Information Technology** and completed a project as a part of the training using **Eclipse IDE** and programming language **JAVA7**.

**Trainee Id no:WS13/20030**

**Website** <https://www.globsynfinishingschool.com/> | **Field of study** Information Technology

## ● LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>HINDI</b>	C1	B2	C1	C1	B1
<b>ITALIAN</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

### VR Skills

Unity 3D engine | C/C++/C# | MATLAB | Python | Meta Quest Developer Hub

## Development Skills

ECLIPSE | Java Programming language | Web Development HTML 5 CSS JavaScript | JavaScript jQuery (basic level)

## Software Test Skills

IBM Rational Fuction Tester | Selenium | Automation Testing | User acceptance testing | Functional Testing

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Interpersonal Skills

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- Passionate Self Motivated & Positive Thinking
- Splendid Communication & Interaction
- Goal Oriented & Future Focused
- Leadership Decision
- Making & Creativity
- Time Management & Team Work
- Persistence Resiliency & Flexibility
- Tech-savvy

## HOBBIES AND INTERESTS

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### Interests

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Travelling, Reading, Swimming, Cricket, Philanthropy, Astronomy, Physics, Spirituality Fitness,Tech-Innovation, Music

**\*Participated and contributed in Amnesty International programs. Was a part of CANDLE, which is a company charitable program**

## RECOMMENDATIONS

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### Marco Carli Professor

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I am working under him as a Research Assistant in **Università** degli Studi **Roma** Tre.

**Email** [marco.carli@uniroma3.it](mailto:marco.carli@uniroma3.it) | **Phone** (+39) 0657337061

**Link** <https://muse.uniroma3.it/marco-carli/>

### Federica Battisti Professor

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I have worked my Masters Thesis under her supervision.

**Email** [federica.battisti@unipd.it](mailto:federica.battisti@unipd.it) | **Phone** (+39) 0498277636

**Link** <https://muse.uniroma3.it/federica-battisti/>

### Marco Cagnazzo Professor

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I have studied courses under him during Masters.

**Email** [marco.cagnazzo@unipd.it](mailto:marco.cagnazzo@unipd.it) | **Phone** (+39) 0498277719

**Link** <https://medialab.dei.unipd.it/members/marco-cagnazzo/>