

## Work Experience

### Quality Assurance Intern (TIAA GBS)

Jun 2021 - Jun 2022

- Independently worked on shifting more than 150 automation test cases from Selenium to WebDriver.io within two weeks with the help of Teamwork and Time Management.
- Actively communicated with product managers to better understand the requirements for creating the automation test scripts.
- Received *Pat on the Back* award for reducing downtime in data collection by creating an API for fetching data and integrating it into the automation test scripts.

### Web Developer Intern (NDT Solutions)

May 2020 - Jul 2020

- Designed a fully functional Website that went live within a month. Communicated with the product owner for the requirements and made design decisions for the look and feel of the Website.

## Projects

### Menace of the Seagull

Apr 2023 - May 2023

- An exploration game on the **Oculus Quest 2** to simulate the feeling of being attacked by a Seagull in **Virtual Reality**.
- The player needs to find Gold Coins in the Mystery Boxes; however, when they attacked players can throw rocks using the Oculus Controllers.

### Holoway

Nov 2022 - Apr 2023

- A Virtual Meeting application to allow people to have remote meetings in a VR environment.
- Application works with the Oculus Quest 2 headset and a Web Application to allow users to interact with each other and objects in the Virtual meeting rooms.
- We built the application using **Extreme Programming**, focusing mainly on **test-driven development** and implementing a **pair-programming** strategy..

## Education

### University of Dublin (TCD)

Masters in computer science (ARVR)

Sep 2022 - Current

- Courses:** Computer Vision, Artificial Intelligence, Mathematics of Light and Sound, Real-time Rendering/Animation, and Augmented Reality.
- Thesis:** Enhancing Model Generation using Generative Adversarial Networks (GANs)
  - Utilising synthetic images to solve the problem of data collection and manual annotation on training data, to help the machine learning models perform well on unseen(testing) data.
  - Findings:** GANs learn underlying patterns of a dataset and generate new information based on that knowledge

### University of Mumbai (MPSTME)

Bachelors in computer engineering

Jun 2016 - Jun 2022

- Graduated:** CGPA of 3.45/4
- Courses:** Artificial Intelligence, Soft Computing, Advanced Image Processing, Data Structures, Big Data Analysis, and System Security.

## Publications

### Conference Proceedings

- Jethwa, Nishant, et al. "**Comparative Analysis between InceptionResnetV2 and InceptionV3 for Attention Based Image Captioning.**" *2021 2nd Global Conference for Advancement in Technology (GCAT)*, 2021, <https://doi.org/10.1109/gcat52182.2021.9587514>.
- Gabajiwala, Hamza, et al. "**Comprehensive Review of Various Optimization Algorithms for Image Captioning.**" *2021 3rd International Conference on Advances in Computing, Communication Control and Networking (ICAC3N)*, 2021, <https://doi.org/10.1109/icac3n53548.2021.9725562>.

## Skills

- Expert:** Python, C++, C, Java, PHP, HTML/CSS, SQL, Keras, Pandas, TensorFlow, Linux, Git, Bootstrap
- Proficient:** C#, Flask, Django, Selenium, JavaScript, TypeScript, OpenGL, Bash Scripting
- Fluent:** MATLAB, Unity, Unreal Engine, Adobe XD, Docker