

KARAN TYAGI

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EDUCATION

Manipal University Jaipur (MUJ), Jaipur, Rajasthan, India
Bachelor of Technology in Computer Science Engineering

Aug 2020
CGPA: 8.1/10

Delhi Public School, Ghaziabad, India
Senior Secondary School

Mar 2015
Percentage: 92%

D.A.V. Public School, Sahibabad, India
Secondary School

Mar 2013
CGPA: 10/10

TECHNICAL SKILLS

- **Programming Languages:** Python, C, MySQL, HTML, CSS, JavaScript, PHP, C++
- **Environment & Tools:** Unreal Engine, Maya, Unity, Photoshop, Arduino, Illustrator, PyQt, Git, Adobe XD, Flutter

WORK EXPERIENCE

Research Assistant, Delft University of Technology, Delft, Netherland

Dec 2020 – Present

- Working on Zensus, an interactive system that lets doctors schedule “wellness check-ins” to patient mobile phones, under Dr. Derek Lomas.

Pipeline Intern, Tau Films, Hyderabad, India

Jan 2020 – Nov 2020

- Integral part of development team for TACO & VENDATA – the proprietary pipeline tools used by artists and vendors.
- Assisted artists on a Pepsi Vietnam Commercial and a Chinese feature film.

Pipeline Intern, Double Negative (DNEG), Mumbai, India

May 2019 – July 2019

- Worked on developing a lighting tool to setup light-rigs using PyQt. Also, worked on Maya API, Houdini, Clarisse.
- Got hands-on experience on Shotgun, Jira.

Web Development Intern, COMP-2000, Sarajevo, Bosnia and Herzegovina

Jul 2018 - Jul 2018

- Worked on designing a website, using the .NET framework, to keep record of the client companies.

Graphic Design Intern, Aam Aadmi Party (AAP), Delhi, India

May 2018 - Jun 2018

- Designed graphic content, using Photoshop and Illustrator, for AAP's Facebook page and Twitter handle, and assisted new interns with the designs.

Co-founder, Ostellos, Jaipur, India

Jul 2017 - Mar 2019

- Led the product design and development team for Ostellos, an online platform to search for off-campus housing. The start-up was incubated in MUJ under Atal Innovation Mission, an initiative by government of India.

PROJECTS

Gesture Recognition using Arduino Uno and ultrasonic sensors

Jan 2019 – May 2019

Worked on Arduino and PyAutoGUI module.

Inverse Kinematics(IK)/Forward Kinematics(FK) switch

Mar 2019 - Apr 2019

Built an IK/FK switch to rig 3D character models in Autodesk MAYA using PySide and Pymel.

LEADERSHIP

Chief Finance Officer, IAESTE LC (The International Association for the Exchange of Students for Technical Experience – Local Committee), MUJ

Nov 2017 - Dec 2018

- Responsible for managing funds (membership fees, placement fees, interns' stipends and expenditure) and analysing the financial viability of all major activities carried out by 250-member strong organisation.

Graphic Design Head, Entrepreneurship Cell, MUJ

Aug 2017 - Mar 2018

- Responsible for the graphic content that was being generated for various events organised by the Entrepreneurship cell.

HONORS AND AWARDS

- Second position at the State level and qualified for the National round of the Start-up League Competition, April 2018.
- Finalist in the Smart India Hackathon'19 organized by government of India.