

# KARAN TYAGI

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## EDUCATION

<b>San Jose State University (SJSU)</b> <i>Master of Science in Software Engineering</i>	2021-2023 CGPA: 3.9/4.0
<b>Manipal University Jaipur (MUJ), Jaipur, Rajasthan, India</b> <i>Bachelor of Technology in Computer Science Engineering</i>	Aug 2020 CGPA: 8.1/10
<b>Delhi Public School, Ghaziabad, India</b> <i>Senior Secondary School</i>	Mar 2015 Percentage: 92%
<b>D.A.V. Public School, Sahibabad, India</b> <i>Secondary School</i>	Mar 2013 CGPA: 10/10

## TECHNICAL SKILLS

- **Coursework:** Data Mining, Machine Learning, DBMS, Operating Systems, DAA
- **Programming Languages:** Python, MySQL, HTML, CSS, JavaScript, PHP, Java
- **Environment & Tools:** Git, Django, Heroku, Seaborn, Pandas, SciPy, Keras, TensorFlow, NumPy, PyTorch, Scikit-learn, BeautifulSoup, SQLAlchemy, PyQt, Unity, Unreal Engine

## WORK EXPERIENCE

<b>Research Assistant, Indian Institute of Science (IISc), Bangalore, India</b> • Worked on Automated Driver Assistance System under Dr. Pradipta Biswas.	Jan 2021 – Jun 2021
<b>Software Development Intern (Pipeline), Tau Films, Hyderabad, India</b> • Integral part of the development team for TACO & VENDATA – the proprietary pipeline tools used by artists and vendors. • Provided technical assistance to artists on a Pepsi Vietnam Commercial and a Chinese feature film.	Jan 2020 – Nov 2020
<b>Software Development Intern (Pipeline), Double Negative (DNEG), Mumbai, India</b> • Worked on developing a lighting tool using Python library PyQt and Autodesk Maya API. • Got hands-on experience on Jira.	May 2019 – July 2019
<b>Web Development Intern, COMP-2000, Sarajevo, Bosnia and Herzegovina</b> • Worked on designing a website, using the .NET framework, to keep records of the client companies.	Jul 2018 - Jul 2018
<b>Graphic Design Intern, Aam Aadmi Party (AAP), Delhi, India</b> • Designed graphic content, using Photoshop and Illustrator, for AAP's Facebook page and Twitter handle, and also assisted new interns with the designs.	May 2018 - Jun 2018
<b>Co-founder, Ostellos, Jaipur, India</b> • Lead 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 the Atal Innovation Mission, an initiative by the government of India.	Jul 2017 - Mar 2019

## PROJECTS

- **Drowsiness Detector**  
Built a Django application to detect if a driver has slept while driving using OpenCV, NumPy, Pandas and deployed the application using Heroku.  
Aug 2021 - Nov 2021

## LEADERSHIP

- **Chief Finance Officer, IAESTE LC (The International Association for the Exchange of Students for Technical Experience – Local Committee), MUJ**  
Responsible for managing funds (membership fees, placement fees, interns' stipends, and expenditure) and analyzing the financial viability of all major activities carried out by 250-member strong organization.  
Nov 2017 - Dec 2018

## HONORS AND AWARDS

- Got the 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 the government of India.