

# KARAN TYAGI

- Apt 209, 101 E San Fernando St., San Jose, California, 95112 • +1-(408) 660 7308 • [Portfolio](#)
  - [www.linkedin.com/in/karantyaagi80](http://www.linkedin.com/in/karantyaagi80)
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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
<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

- **Programming Languages:** Python, MySQL, HTML, CSS, JavaScript, PHP
- **Environment & Tools:** Git, Django, Heroku, Seaborn, Pandas, SciPy, Keras, TensorFlow, NumPy, PyTorch, Scikit-learn, Beautiful soup, SQLAlchemy, PyQt, Unity, Unreal Engine, Autodesk Maya

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

## LEADERSHIP

- **Graphic Design Head, Entrepreneurship Cell, MUJ** Aug 2017 - Mar 2018
  - Responsible for the graphic content that was being generated for various events organized by the Entrepreneurship cell.

## 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.