

# Kshitij Ijari

Software Engineer

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## Education

### San Diego State University

Masters in computational science, concentration Data Science.

San Diego, CA  
Fall 2022-Present

### KLE Technological University

Bachelors in computer science and Engineering  
(GPA: 3.7)

Karnataka, India  
Aug 2017– Jul 2021

### Chetan Pre University College

Percentage: 80  
State Level Basketball Player

Karnataka, India  
June 2015–May 2017

## Experience

### PacketFanatic LLC

Software Engineer(Backend Engineer)

- Innovated and Developed a web application for restaurant to have an efficient and sever-less delivery of orders integrating with global frameworks ReactJs, Google-Firestore, AWS services, Alexa Skills kit.
- Accomplished in finishing the given project requirements in 6 months.
- Facilitated multiple tasks inculcating the work and time management.
- Engendered a sense of enabling data driven solutions which are culturally and technically apt.
- Defined and implemented backend architecture for efficient workflow by using REST Api.

(Remote)  
May 2021- July 2022

### Dori Ai Pvt Ltd

Software Engineer(Backend Engineer)

- Analyzed and verified the yolov5 object detection model to detect persons for Covid-19 application.
- Ensured quality assurance and evaluated project risks at every stage.
- Collaborated with the team in design and code reviews.
- Debugging and resolving the performance hampering bugs found on the backend such as database, EC2 machine,app-server.
- Implemented and updated postman application modules under the direction of Senior Software Developers.

Bangalore, India  
Nov 2021- Jun 2022

### San Diego State University

Teaching Assistant

- Implementing a variety of teaching methods and materials to teach undergraduate students.
- Supporting and motivating the students in their weekly activities and grading the quizzes.
- Adapting to diverse strategies to make the students understand the problem.

(Remote)  
Aug 2022 – Present

## Machine Learning Projects

### Object Detection and Localization on Humanoid Robots.

- To illustrate object detection and localization in a live stream and static environment and to train the model on custom captured indoor images to suit the situation at hand.
- To measure the performance on the same dataset and investigate the generalization and abilities of the detection performance.

### 2D image reconstruction using neuromodulation.

- Displaying that plasticity participating with neural connection along with the Hebbian plastic connection rule can be optimized in recurrent neural networks.
- Here is an approach to novel problems to solve reconstructing and memorizing tasks described on the sets of neoteric colored images by tracing plastic recurrent networks. Hence, concluding that the plasticity method provides a firmer way to solve meta-learning.

### Generative Adversarial Network (GAN's).

### Optimizing Recurrent Neural Network Using Neuromodulation.

## Leadership & Accolades

### President Student Union, KLE Technological University

Responsible for directing all functions including coordinating facility use, administering student services and activities and ensuring proper safety and security measures.

Karnataka, India,  
Aug 2020- Jun 2021

### [2D Image Reconstruction Using Differentiable Plasticity at IEEE](#)

India,  
May 2020.

### [Optimizing Recurrent Neural Network Using Neuromodulation at IEEE](#)

India,  
Nov 2021.

## Skills & Interests

### Technical:

- C, C++, Java, JavaScript, Python (NumPy, Pandas, Scikit-Learn).
- Google-Firebase, Google Cloud Platform, AWS EC2, AWS Amplify, AWS S3, Alexa Skill kit, Anaconda, AWS Lambda.
- Image Processing Models, Convolutional Neural Network, Recurrent Neural Network, TensorFlow, MatLab, Pytorch, ReactJs, Computer Vision, yolov5, Selenium.
- Platforms: Mac, Linux, Windows.

### Interests:

- Playing Basketball.
- Reading Books.
- Gaming.
- Fitness.

## Links

[LinkedIn](#) | [PacketFanatic Ordee](#) | [Github](#) | [Instagram](#)