



# Tulika Arun

## Computer Science Undergraduate

As an extremely inquisitive person, I have the curiosity to explore each and everything present around me. I work efficiently under any kind of environment and am great in coming up with creative and feasible solutions to any problem.



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## WORK EXPERIENCE

### Research Intern

Koyo Software Solutions

06/2022 - Present

- Interned under Prof. Vishal Sharma (NIT Jalandhar, University of Witwatersrand) and Dr. Amit Agarwal.
- Worked on the research and development of Hyperspectral Image Processing of Satellite Images.
- Identified tailing dams and compute measures indicative of changes in breach failure risks.

### Front End Developer

UnFoldMart Solutions Pvt. Ltd.

07/2021 - 09/2021

- Interned as a Front End Developer for the company's clients as part of their digital marketing campaign.
- Handled the web-dev department as the sole developer.

### Front End Developer

CoupOn Kart

07/2021 - 09/2021

- Worked as a front end developer with a team of developers.
- Built the company's website.

### Technical Intern

Aspexx Health Solutions Private Limited

07/2021 - 09/2021

- Worked within a team to develop ML projects on Google Colab via Kaggle's databases.

### Organising Core - Content

siNUsoid - Tech Fest, NIIT University

05/2021 - 05/2022

- One of the 5 organisers of my university's annual tech fest - siNUsoid.
- Headed the content team and supervised every content related to our tech fest's website, brochures, mails etc.
- Helped in creating the tech fest's website

### Speaker's SPOC

TEDx NIIT University

08/2019 - 03/2020

- Worked with the speaker's experience team in shortlisting and inviting all the speakers and performers for the main event.
- Single point of contact (spoc) for one of our speakers - Aditya Bhandari, founder of Free The Verse, a poet and an artist. I was responsible of helping him curate his speech and presentation and with his accommodation.
- Brought Nazariya, an LGBTQ+ organisation to our university and conduct a workshop on gender discrimination and sensitization.

## SKILLS

- HTML
- CSS
- Bootstrap
- Python
- Content Writing
- Research and Development (RnD)
- Algorithms
- Data Structures
- JavaScript
- Microsoft Office
- MongoDB
- Angular
- Artificial Intelligence
- Computer Vision
- OpenCV
- Machine Learning
- Deep Learning

## PROJECTS

### Anomaly Detection and Visualising the patterns learnt by autoencoders.

- Detected anomalies in ECG Signals and visualised the patterns learnt by autoencoders during detection.
- Created an interpretable machine learning model.
- [Project Link](#)

### Hand Detection and Gesture Control using Convolutional Neural Network

- Created a hand detection model which detects various hand gestures and controls the user's laptop's keyboard using hand gestures allowing them to perform various activities on their laptop without using the keyboard or mouse.
- [Project Link](#)

### TreatyDeals

- Built a MERN stack website - client side and user side.
- Lets the shopowner register their shop and services with us while allowing the customer to book services.
- [Project Link](#)

### Siridharini

- Built the company's website while working at UnfoldMart Solutions Pvt. Ltd.
- [Project Link](#)

## EDUCATION

### B. Tech. CSE, Specialisation - Artificial Intelligence

NIIT University, Neemrana

06/2019 - 06/2023

## LANGUAGES

- English *Native or Bilingual Proficiency*
- Hindi *Native or Bilingual Proficiency*
- Maithili *Native or Bilingual Proficiency*