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 and was the SPOC for Aditya Bhandari, founder of Free The Verse. I was responsible of helping him curate his speech.
- Brought Nazariya, an LGBTQ+ organisation to our university and conduct a workshop on gender discrimination and sensitization.

Exam Proctor
NIIT Technologies
04/2020 - 5/2020
- Proctored online examinations invigilated and examined by NIIT Ltd. for foreign universities.
- Invigilated more than 20 online exams where I had to manage the examination database on AWS apart from conducting the exams for the students.

SKILLS

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

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

Hyperspectral Image Analysis and Indices Calculation
- A project under my tenure at Koyo Software Solutions with emphasis on working with Sentinel and Landsat Datsets, analysing and calculating the indices of the band images.
- Project Link

Swipe Right - A Dating App for Pets.

- A MEAN application which allows users to create accounts for their pets in order to view other pets for a playdate match.
- The features include liking/unliking and text accounts via CometChat API.
- Project Link

TreatyDeals

- Built a MERN stack website - client side and user side.
- Lets the shopwner register their shop and services with us while allowing the customer to book services.
- Project Link

Siridharini

- Built the website for Siridharini Eco Habitat- while interning at UnFoldMart Pvt. Ltd.
- Project Link

EDUCATION

B. Tech. CSE, Specialisation - Artificial Intelligence

NIIT University, Neemrana
06/2019 - 06/2023
CGPA - 8.34

PCM with CS - Python

Amity International School, Saket
2016 - 2018
Class 12 - 92%
Class 10 - 10 CGPA

ACHIEVEMENTS AND CERTIFICATES

Smart India Hackathon 2022 - Finalist (winning result awaited)
Machine Learning - Stanford University // Coursera (Ongoing)
Machine Learning A-Z // Udemy (Ongoing)
The Complete Web Development Bootcamp // Udemy
- Certificate Link
Python (Basic) Certificate // Hackerrank
- Certificate Link
CSS Certificate // Hackerrank
- Certificate Link