Ali Asad Quasim

LinkedIn | GitHub | Leetcode

Email: aasad2530@gmail.com | **Mobile:** +91 9006109849

EDUCATION

Indian Institute of Information Technology   Kalyani, West Bengal, India
Bachelor of Technology, Computer Science and Engineering | 9.05 CGPA   *Dec 2020 – June 2024*

EXPERIENCE

Data Science Intern   Feb 2024 – Present
AI4SEE Private Ltd   *Bangalore, India (Remote)*
- researched with **Transformers** and implemented it on **Time Series Data** for **multivariate** anomaly detection
- Operated stacked **Transformers encoders** for spatio-temporal feature extraction

SKILLS

Languages	:	Java, Python, C, C++, HTML, CSS, Javascript
Libraries	:	Numpy, Pandas,matplotlib, Scikit-learn, Scikit-image, OpenCV, Tensorflow, PyTorch
Tools	:	Visual Studio Code, Git, Jupyter, NetBeans, MATLAB

ACHIEVEMENTS

Winner | Smart India Hackathon   August 2022
Madhya Pradesh Police

- won India's largest hackathon which had **2,000+ participating teams** and around **15,000** student finalists
- out of these around **450** teams won the finals
- Utilized and implemented concepts of basic **Signal Processing – DFFT** and **Signal Compression – DCT** for trasferring the signal in **Python**
- developed application using **scipy and numpy – Signal Processing in Python** and for UI design **Tkinter – GUI in Python**

PROJECTS

Face Swap   *Python, OpenCV, flask, dlib, Git*   Github Link
- Designed and developed a face swap app using **OpenCV, dlib, and Python**
- Detected **68 facial landmarks** using **dlib**
- Displayed it during **Winter of Code 1.0** finished at **top 15** in the institute out of **60+** participants

Chitthi - Chat App with Emotion Analysis   *React.js, NLTK, FireBase Git*   Github Link
- A **chat application** with a functionality of detecting **8+** emotions in the chat messgages
- Applied several **NLP** algorithms like **Bags of Words** and **SnowBall Stemmer**
- integrated **firebase** to store those chats and through that implemeted **CRUD** operations

Face Mask Detector   *Tensorflow, OpenCV*   Github Link
- A simple ML Model to detect whether a person is wearing a mask or not
- built **CNN** to train the model and get the results on almost **4000** images **with mask** and **without mask**
- trained and tested the prepared model with **92%** accuracy

CERTIFICATIONS

- Certified Machine Learning Specialization by Andrew Ng, Deep Learning.ai and Stanford University, Coursera
- Nvidia certified: Fundamentals of Deep Learning
- Certified Deep Learning Specialization by Andrew Ng, DeepLearning.ai, Coursera

POSITIONS OF RESPONSIBLITY

- **Student Coordinator,** Training and Placement Cell, IIIT Kalyani for the year 2023-24
- **Community and Outreach Lead,** GDSC IIIT Kalyani academic year 2021-22
- **Secretary,** FreeScape (Free and Open Source Club), IIIT kalyani for the year 2021-22