

CONTACT

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EDUCATION

Indian Institute of Information Technology, Guwahati, India

2018–2022

- B. Tech in Computer Science and Engineering, CGPA: **8.87/10.00**

PUBLICATIONS

1. C. Suman, **A. Naman**, S. Saha and P. Bhattacharyya
A Multimodal Author Profiling System for Tweets.
IEEE Transactions on Computational Social Systems, 2021
2. **A. Naman**, K. Deepshikha
Indic Languages Automatic Speech Recognition using Meta-Learning Approach
Proceedings of ICNLSP 2021, Association for Computational Linguistics.
3. **A. Naman**, C. Sinha, L. Mancini
Fixed-MAML for Few Shot Classification in Multilingual Speech Emotion Recognition
Proceedings of MISS, 2021. Algorithms for Intelligent Systems. Springer.

WORK

EXPERIENCE

- **Legato Health Technologies, Hyderabad, India** Jul 2022–Present
Software Engineer
 - Working on Fairness and Explainability for Classification and Regression Problems.
 - Working on Continuous Training and Monitoring of Machine Learning Models for Fraud Detection in Health Insurance by mitigating effects of data drift.
- **HuggingFace 🤗, Paris, Île-de-France, France** Dec 2021–May 2022
Open-Source Team
Added the two Vision Transformers 🤗 transformers library.
 - Implemented the code for CvT: Convolution Vision Transformers.
 - Implemented the code for LeViT: A Vision Transformer in ConvNet's Clothing for Faster Inference.
- **NVIDIA, Bengaluru, India** August 2020– May 2021
Machine Learning Intern
Implemented the project below. Utilized Keras and PyTorch.
 - Application of GAN's for Class Imbalance and Automatic Speech Recognition.
- **IIT Patna, Bihar, India** Apr 2020–Jul 2020
Research Intern Intern
Implemented the project below. Utilized Python and Airflow.
 - Author Profiling of Tweets for Gender, Age, Region, etc..

PROJECTS

- **Glasses, A CV Library, 2022 (In Progress)**
 - A unified library for classification, object-detection and segmentation.
 - Easy to use compared to complex library like detectron2, mmdet, etc.
 - Similar to transformers by HuggingFace, but better.
 - <https://github.com/FrancescoSaverioZuppicini/glasses-2.0>
- **Mobile Robot Navigation in Crowded-Area, 2021**
 - Reinforcement Learning based project in the final year of undergrad.

- Used contrastive learning and negative data augmentation to create a deep learning model for navigation.
- ***Smart India Hackathon, 2020***
 - Runner Up at Grand Finale. Automate the process of finding Pavement Condition Index (PCI) which was done till by Civil Engineers manually.
 - Created a prototype using Inception Model to detect irregularities on the roads to get PCI for the finale with app development in React Native Framework
- ***Trending News App, 2021***
 - Created a React Native Application in Group Project for Software Engineering Course. Used News API to display trending news with minimalist UI.

TECHNICAL SKILLS

- *Languages:* C/C++, Python
- *Developer Tools:* TensorFlow, PyTorch, MySQL, Git, AWS.