

Rahul Mili

A BTech CSE graduate with a research publication at IEEE UPCon 2022 and industrial experience as a Data Scientist working on new ways to solve real world problems using Computer vision, NLP and Deep Learning. An effective and highly motivated team member, always open to learn and great problem solving skills.

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EXPERIENCE

Capgemini Engineering, Bangalore — Associate II/Senior Analyst

JULY 2022 - PRESENT

Developing enablers for various business use cases.

- developed a **new method for Forgery detection** for Indian documents using CNN, image compression and image preprocessing techniques
- developed method for **multi sentence answer scoring** using pre-trained transformer models from **model zoo** and **text embeddings**
- worked on **object detection and image segmentation** using pre-trained models for custom dataset
- developed methods to customize **aggregation techniques** in **Federated learning** and gained insights of various aggregation techniques in Federated learning
- prepared presentations and delivered demos to showcase the capabilities of our enablers

EDUCATION

Indian Institute of Information Technology (IIIT) Kalyani, West Bengal — Computer Science and Engineering(CSE)

JULY 2018 - JULY 2022

CGPA-8.14

BSF Senior Secondary School Umpling, Meghalaya — XII Science

April 2016 - MARCH 2017

Percentage-89.2

PROJECTS

Pose Recognition in Cricket using Keypoints

Published in the **2022 IEEE 9th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)** this work proposes a new method of identifying different poses of an umpire in cricket.

Achieved **better accuracy** than the present **state-of-the-art techniques**.

This can be used to identify key moments in the game for highlight generation

Libraries and Tools used: Colab, pandas, python, tensorflow, tensorflow-pose

SKILLS

Python

Azure ML

Computer vision

Transfer Learning

Natural Language processing

Federated Learning

Graph Neural Networks

HOBBIES

Biking

Football

LANGUAGES

English

Hindi

Assamese

Bengali