Jagannath Mukkara

M.Tech Computer Science

Indian Statistical Institute, Kolkata

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my github

Course	College/University	Year
M.Tech Computer Science	Indian Statistical Institute	2023-25
Undergrad	Sri Venkateswara University	2016-20
Intermediate/+2	Sri Chaitanya Jr College	2016

WORK EXPERIENCE

- **Systems Engineer | Tata Consultancy Services** [April'21-Nov'22]
  - Mentoring and guiding off shore tag management team of 3 for better development and delivery
  - Identify ways to improve performance, efficiency and quality
  - Developed react application to keep track the status of analytics tags

SKILLS & INTERESTS

- **Programming Languages**: Python, SQL, C
- **Tools & Libraries**: Pytorch, Matplotlib, Tensorflow, Transformers, Scikit-learn, NLTK
- **Interests**: Data Analysis, Machine Learning, Deep Learning, Transformers, XAI

PROJECTS

- **Hiding images in plain sight | Deep Steganography | Undergrad | code**
  - Worked on implementation the paper - Hiding images in plain sight using pytorch
- **Food Delivery Cost and Profitability Analysis | personal interest | Data Analysis | code**
  - The analysis aims to provide insights into how profitable the food delivery service is on a per-order basis.
- **Transformer from scratch | personal interest | Transformers**
  - Implemented the architecture of transformer from scratch to make myself familiar with the working and architecture of the transformer.
- **Deep Pianist | personal interest | Generative Modeling**
  - Implemented a Long-Short Term Memory (LSTM)-based generative model for music generation, aiming to capture the structural pattern in the process of creating a musical piece.

CURRENTLY WORKING ON

- **Enhancing a CNN based classification model of COVID 19 via XAI | Prof Sarbani Palit | Dissertation**
  - Adding XAI component to a 3D dual scale CNN based classification model for COVID 19 and Common Pneumonia
  - Working on adding 3D Gradcam to the model to visualise the sections that our model is looking at the time of classification.

RELEVANT COURSES

- **Statistics | Probability | Linear Algebra | Machine Learning | NLP | Computer Vison** [ISI-K]

POSITIONS OF RESPONSIBILITY

- **Organiser | SV University/Cynosure/Tech Fest**
  - Organised CTF event in Cynosure 2019
- **Founding Member | SV University/Ignite/coding club**
  - Founding member and key contributor to Ignite club, a coding club

CERTIFICATIONS AND TRAINING/INTERNSHIP

- Summer Internship with SmartBridge-Trained and worked on Machine Learning with python and IBM DSX
- NPTEL Certification on Data Mining from IIT Madras