

Aman Yadav

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Education

IIT (ISM) Dhanbad

Bachelor of Technology in Electrical Engineering (GPA: 6.73 / 10.00)

Expected May 2026

Dhanbad, Jharkhand

- **Relevant Coursework:** Data Structures and Algorithms (C++), Object Oriented Programming (C++), Probability & Statistics, Power Systems, , Control Systems , Electrical Machines, C Programming, Economics and Finance, Digital and Analog Electronics.

Shri T P Bhatia College of Science

Science Stream - Class 12 (Percentage - 90.1%)

June 2019 - June 2021

Mumbai ,Maharashtra

Bangur Vidya Bhawan

Class 10 (Percentage - 84.5%)

June 2019

Mumbai ,Maharashtra

Projects

Fine-Tuning-a-Pretrained-Model | Python , Pytorch



- Developed a model which is a Fine-tuned version of BERT(uncased) model for **Sentiment Analysis**.
- **Stanford Sentiment Treebank 2(SST-2)**dataset was used to accurately predict **sentence-level sentiment**, leveraging its pre-trained knowledge for improved performance.

Malaria Detection using Convolution Neural Network | Tensorflow, Keras, Python



- Built a **Convolutional Neural Network (CNN)** to detect infected or parasitized case of Malaria
- Implemented **TensorFlow** and **Keras** to detect malaria with over **95% precision and recall on training data**, and over **90% precision and recall on validation and test data**.

Analysis of 1D Model of FSAE Vehicle | Optimum Lab , Matlab , Simulink

- Designed the track for Formula SAE using Optimum Lab.
- Applied Magic Tire Formula in MATLAB to find the lateral coefficient of friction using tire data.

Technical Skills

Languages: C , C++ , Matlab , Simulink , Python .

Technologies: Gradio , Transformers, Keras , Wandb , HuggingFace, TensorFlow, PyTorch , Llama index , LangGraph , Postgres .

Concepts: Deep Learning, Natural Language Processing, Machine Learning, Convolutional Neural Networks , Agentic-AI, Fine-tuning , Data-Analysis , Regular Expressions.

Social Engagements

Member : Currently Member of the **Formula Bharat** team of IIT ISM Dhanbad for 2025.

Volunteer: at KARTAVYA - NGO run by students of IIT Dhanbad to educate underprivileged childrens.

Organisor: Concetto'23 (Tech-fest).

Sports-Engagements: WeightLifting.