


DRIPTO SAHA

Machine Learning Engineer

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 Kolkata, WB

SUMMARY

An independent and self-motivated person passionate about designing and developing applications and ready to explore intriguing technical problems

SKILLS

Languages: Python, Java, SQL, C++

Technologies: OpenCV and Spacy basics, **Models(CNN and RNN using keras)**, Power BI, Android Studio, MS-Excel, Flask, Streamlit, Unity, HuggingFace, CI using Github Actions, NvidiaJetson OS

EXPERIENCE

Kotai Electronics

Computer Vision and NLP (2023 May - 2023 Sept)

Smart-Doc -> Summary of a whole book/range of pages within a uploaded pdf on G-Drive Link using t5 transformer model. Tech stack used are Flask, Python, SQLite3
Jetson Nano Jetpack 4.6.1. to run TensorRT models
Automatic No. Plate Recognition and Peoplecounter using Yolov8n.pt model and flask of live rtsp camera streams

Tiger Analytics

Data Science Analyst (2021 Dec - 2023 Jan)

Project on CPG -> Estimated the US dollar opportunity sales of particular emerging trends, the estimated price in the upcoming years using NLP and time forecasting. Responsibilities: Helped the senior analysts with the **Bigram, Trigrams, Data preprocessing** and Topic Modelling Codes. Also helped to find the rising of prices of ingredients for a particular social event cause at a particular time period
Regression and Classification models with a provided Product opportunity dataset

EDUCATION

2018 - 2022

Kalinga Institute of Industrial Technology, DU
B.TECH in Electronics and Computer Science

GPA-8.81

2016 - 2018

Methodist School, Dankuni
ISC (Intermediate)- Science

83.75

2003 - 2016

Methodist School, Dankuni
ICSE (Matriculation) - Science

92.2

PERSONAL PROJECTS

Quantum Tic-Tac-Toe

A tic tac toe game with the quantum simulator using IBM qiskit. Published on Github, Hugging Face and executed using Streamlit Cloud.

Link - <https://github.com/dsaha21/Q-TicTacToe>

PeopleCounter

A people in out counter on any Live camera/ RTSP stream using Yolov8 Model and deployed using Flask

Link - <https://github.com/dsaha21/PeopleCounter>

Online PDF summary

A basic whole book summary of a pdf from Google Drive

Link - https://github.com/dsaha21/Summary_Book

Building Planner App

A Basic Mobile App for a construction builders. Tech stack used are Android Studio and XML

LANGUAGES

English Bengali Hindi