Ankan Ghosh

0xsynapse.github.io| linked.in/0xsynapse
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EDUCATION

IIT ROORKEE
Spz in Deep Learning & AI
Sep-Feb 2021 | Uttarakhand, IND

MAKAUT IN-HOUSE
BS in Information Technology(AI)
2020-2023 | Kolkata, IND
School of Info Sc & Tech
CGPA: 9.24 / 10

BOLPUR NNB HIGH SCHOOL
Grad. May 2019| Kolkata, India
HSE: 82% | SE: 88%

LINKS

Facebook:// 0xSynapse
Github:// 0xSynapse
Medium:// 0xSynapse
Kaggle:// 0xSynapse
Twitter:// @0xSynapse
Stackoverflow:// 0xSynapse

COURSEWORK

VOLUNTEER EXPERIENCE
GDG Cloud Kolkata | Team Member
Pycon India 2023 | Volunteer
Internshala | ISP23

UNDERGRADUATE
Data Structures & Algorithms
Operating Systems | Computer Networks
Artificial Intelligence + Practicum
Machine Learning | Data Visualisation
Cloud Computing | Soft Computing
Robotics | Big Data Analytics
Deep Learning | Image Processing
DBMS | Software Engineering

SKILLS

PROGRAMMING
Over 5000 lines:
OpenCV • Tensorflow • Python
Javascript • Django • MERN Stack
Keras • Matlab • Pytorch • NLTK
Over 1000 lines:
HTML|CSS • C/C++ • GCP|AWS • Java
Familiar:
GIT • Docker • Android • MySQL

EXPERIENCE

NECESARIO INNOVATIONS | Computer Vision Intern
Sep 2022 – Feb 2023 | IIT Gandhinagar, Gandhinagar, IND
- Worked on computer vision(semantic seg) and GAN, neural networks.
- Worked on edge devices like OAK-D, Jetson nano and orin-nano.
- After my contribution start-up got selected for Meta XR startup program.

SHMT | Machine Learning Intern
Apr 2022 – Sep 2022 | Noida(WFH), IND
- Developed a chatbot with the help of RASA 3.1 and Dialogflow from scratch and deployed it on the Docplus application available on Google Play and Web.
- Created our own DataSet with Selenium,Beautifulsoup,Pandas,Matplotlib etc.

PERSONAL PROJECTS

PIXELFUSION | Live Demo
Git Repo | Python,TensorFlow,Gradio,HuggingFace
- Gradio Demo for Artistic Neural Style Transfer
- Got 16.5k views on Twitter and retweeted by Gradio

SEGMAGINE | Live Demo
Git Repo | Python,PyTorch,Gradio,HuggingFace
- Gradio demo for Segment Anything Model (SAM) by Meta AI Research

IMAGINATEAI | Live Demo
Git Repo | Python,Transformers,PyTorch,StreamLit,HuggingFace
- Image Captioner web app using HuggingFace Transformers and StreamLit

TRACKXPERT | Live Demo
Git Repo | Python,YOLOV8,PyTorch,DeepSort,WandB
- Detect & Track objects from any video or photo using YOLOV7 and Deepsort

PORTFOLIO WEBSITE | Live Demo
Git Repo | HTML,CSS,JavaScript,GitHub
- A clean, beautiful, responsive portfolio template for Software Developers

CERTIFICATES | AWARDS

SIH22-Finalist | Hack4Bengal-2nd | Amazon-ML Challenge-47th
Deep Learning Specialization
AI for Everyone: Master the Basics
Machine Learning for Data Science and Analytics
Introduction to Cloud Development with HTML, CSS, and JavaScript

PUBLICATIONS | CONTRIBUTIONS

GIRLSCRIPT SUMMER OF CODE | Open Source Contributor
Feb 2022 – May 2022 | Kolkata, IND
- Contributed to KAVI-voice-assistant, Face-X, Retro Music Player, Breast Cancer Predictor, ML Capsule.

- Art Generation Project published in ITimes