

Rounak Paul

 Kolkata, West Bengal, Pin: 700136

 8609637424

 rkmaniamain@gmail.com

Education

Maulana Abulkalam Azad University Of Technology (Formerly West Bengal University Of Technology), Kolkata

M.Sc IT in AI - Artificial Intelligence

(2021 – 2023)

(GPA: 9.57)

Coursework: Advanced Data Structures and Algorithms, Artificial Intelligence, NLP, Research Methodology and IPR etc.

University of Calcutta

B.Sc in Mathematics

(2018-2021)

(GPA: 7.6)

Real Analysis, Complex Analysis, Advanced Algebra, Linear Algebra, Topology, Number Theory etc.

Projects

Covid Detection app with GUI:

- Classifying **covid-19 case** from samples of 'chest X-ray' using Tensorflow.
- CNN model called from a minimalistic GUI using PyQt to predict cases.

SoloCarry Community Webpage:

- Designed and engineered responsive webpage using HTML, CSS and JS
- Incorporated Live Discord API to track online members.
- Built and deployed the website on physical server

Report system for Road Accidents using CCTV implementing ML

- Creation of dataset of road accidents and labeling using 'Labelimg' repo from GitHub.
- Implementing CNN for classification of accidental frames in CCTV Live feed.
- Report system through a website to update accidents in real time.

AI Chatbot using NLP:

- Used basic NLP techniques in Javascript for implementing Brain.js module.
- Designed algorithm to collect and train data without taking the bot offline
- Used JavaScript and API calls to collect data from Discord
- Deployed Bot on Raspberry Pi4 for 24/7 service

Skills

Programming languages: Python, Javascript, HTML, CSS, C++, Matlab

Skills: UI5 Fiori, Web Development, Linux Server Hosting, NLP,

Interests: UI UX Development, Training Models , ML, App Development, Real Analysis

Tools: , MS-Office, Tensorflow, PyQt, NLTK, Blender, Docker, Apache2, Samba, Krita

Platforms: GitHub, Kaggle, Linux, Visual Studio, Google collab, Windows Server,

Frameworks and Processes: Git, Object Oriented Programming, Node.js, SQL

Certifications & Training

- SAP UI5 Fiori (Anubhav Trainings)
- Python (Udemy)
- HTML5 & CSS3 (freecodecamp)