Sagnik Mukherjee

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EXPERIENCE

GIRLSCRIPT SUMMER OF CODE'21 |OPEN SOURCE CONTRIBUTOR
March 2020 – Present | Remote, India
- Open Source Contributor
- Languages- C/C++,Python

GEEKSFORGEEKS | INTERN
Dec 2020 – Present | Remote, India

- Tasked to contribute to new technical articles related to the latest technologies such as Digital Signal Processing,Machine Learning, improved existing codes, articles and added new algorithmic articles.
- Languages- C/C++,Python

NIT KARNATAKA,SURATHKAL |STUDENT INTERN
Jan 2021 – Feb 2021

- Build a GUI mail sending application from scratch.Used Google Translate API for converting speech to text and packs them to the send the mail.
- Added features by which one can use Speech to provide the Subject and content of the mail.

PROJECTS

DETECTION OF COVID-19 USING CHEST X-RAYS
- Using Resnet18 on a dataset of over 4000 images, classified the X-Rays into Normal,COVID-19 and Pneumonia
- Accuracy:95.56

DIGITAL SIGNAL PROCESSING |IMPLEMENTATION OF FILTER'S
- Clear noise signal's using Filter's and extracted required signal from a Mixed Audio Signals based on the signal frequencies.
- Published technical article's on GeeksForGeeks regarding my implementation's
- Language:Python
- Libraries Used: matplotlib,scipy,numpy

SPEEMAIL |SPEECH TO TEXT MAIL-SENDING APPLICATION
- A GUI Based Mail-Sending Application using Speech Recognition.The application uses Speech to Text conversion to send the email.
- Language:Python
- Libraries Used: SpeechRecognition, tkinter,pyttsx3,gtts,smptlib

SPAMDEE |SPAM DETECTION USING NLTK
- Machine Learning model to identify if a message is a spam or ham
- Libraries:Nltk,pandas

EDUCATION

HERITAGE INSTITUTE OF TECHNOLOGY,KOLKATA
BACHELOR OF TECHNOLOGY IN APPLIED ELECTRONICS INSTRUMENTATION ENGINEERING
Expected July 2022| Kolkata,West Bengal
Cum. GPA: 8.21 / 10
(Till 4 Semesters)

SKILLS

PROGRAMMING LANGUAGES
•Python • C/C++

TECHNOLOGY
•Git/Github • AWS/Heroku • Linux • Windows •Machine Learning

FRAMEWORKS
• Flask•Django•Streamlit•Pytorch •Tensorflow •Keras

LIBRARIES
• Numpy•Pandas •Matplotlib •Plotly•Scipy

COURSEWORK

UNDERGRADUATE
•Data Structures,Algorithms
•OOPs
•Data Analysis using Python
•Digital Signal Processing

ACHIEVEMENTS

•3858/10000 rank in Google Kickstart 2020
•136 out of 595 in Codechef College Sprint 2020
•19 out of 94 in Codechef College Sprint 2020

LINKS

Github:// **Sagnik220**
LinkedIn:// **Sagnik Mukherjee**
GeeksforGeeks:// **Sagnik Mukherjee**
StopStalk Profile:// **cashmoneysniper**
HackerRank://**sagnik2207**