Sourav Karmakar

Problem-solver, Web Developer, ML Enthusiast | Pre-final year , CSE Undergrad (B.Tech.)
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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY , DURGAPUR

B.Tech in Computer Science
Graduate in June,2022 | Durgapur , West Bengal
Cum. GPA : 9.34 / 10.0.0

LINKS

Github:// **iamskab**
LinkedIn:// **sourav-karmakar**
Codechef:// **@iamskab**
HackerRank:// **iamskab**

SKILLS

Programming Languages :
C++ • C • Javascript • Python • Matlab

Frameworks and Technologies :
Recat.js • Django • HTML5 • CSS • Bootstrap4 • SASS • Node.js • MongoDB • MySQL • Firebase • Git • AWS

Libraries :
Pandas • Numpy • Matplotlib • Sklearn • Tensorflow • Keras

Familiar with :
Pytorch • MixPanel

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
Object Oriented Programming
Database Management System
Operating systems

MOOC TAKEN

Machine Leaning
Full Stack Web Development with React
Introduction to HTML5,CSS and Bootstrap
Fundamentals of SQL

EXPERIENCE

DATA ANALYTICS INTERN | IIM Ahmedabad

July 2021 – Present
I've been working under supervision of Prof. Adrija Majumdar on a data analytics project based on crowd-funding platforms .

RESEARCH INTERN | WSU [Visual Analysis Lab]

May 2021 – Present
I'm working under Prof. Ajita Rattani , Assistant Prof of the EECS Department , Wichita State University on a deep learning based project . Currently, I'm working on deep fakes detection using CNN models(Transfer learning with EfficientNet and ResNet-50) on CelebDF dataset using tensorflow and keras.

SUMMER RESEARCH INTERN | IIT Patna

Apr 2021 – June 2021
I had worked on a Bioinformatics based project under Prof. Sriparna Saha where I've implemented Vision Transformer (ViT) to predict the Protein-Protein Interaction.

UNDERGRAD RESEARCH INTERN | NIT Durgapur

Dec 2020 – May 2021
I had worked under the supervision of Dr.Tandra Pal, Prof. of CS Department , NIT Durgapur, on a project "Cognitive load estimation from EEG signal using different deep learning architectures(RNN,CNN,DBN)"where we've built a CNN+LSTM model for classification using the EEG dataset from PhysioNet in python.

PROJECTS

PAINTER | Canvas Painting Web App

May 2020 – June 2020 | Github

- Painter is a canvas painting web app, where you can draw and express your creativity, and download your painting.
- **Tech stack Used :** HTML5, CSS, JavaScript ,Parcel and SASS.

STOCK PRICE PREDICTION | Application of RNN (LSTM)

June 2020 - July 2020 | Github

- OHLC Average Prediction of Apple Inc. using LSTM Recurrent Neural Network.
- **Tech Used** : Keras / TensorFlow

POSITION OF RESPONSIBILITY

WEB DEVELOPER AND CORE MEMEBER | RECursion-NIT Durgapur Coding Community

Feb 2020 – Present

- Teaching assistant , Problem-setter in RECode-11 and others coding competitions , Web developer at **RECursion** and solve server side issues of **RECursion website** .

- Senior Fest Coordinator at "Aarohon-Technical Fest of NIT Durgapur" as a part of "Team Aaviskar" .

- Event head in AI-ML conference 2021 at "Aarohon,Technical Fest" and sponsor head for REChase.