Sourav Karmakar

Developer,Problem-Solver,ML & DL enthusiast
2nd yr , B.Tech. , CSE , NIT Durgapur

Email :   iamsourav470@gmail.com
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NATIONAL INSTITUTE OF TECHNOLOGY , DURGAPUR

MAHATMA GANDHI AVENUE, DURGAPUR - 713209

CURRICULUM VITAE

1. PERSONAL DETAILS :

1.1 Name	:	Sourav Karmakar
1.2 Date of Birth	:	14 / 09 / 1999
1.3 Father's Name	:	Bhramar Karmakar
1.4 Mother's Name	:	Babita Karmakar
1.5 Branch / specialization	:	Computer Science & Technology
1.6 Registration No	:	18U10127
1.7 OP/ SC / ST / OBC / PWD	:	OBC
1.8 Male / Female	:	Male
1.9 Present Address	:	Hall 1 , NIT Durgapur ,Durgapur, PIN - 713209 , West Bengal
1.10 Address for Correspondence	:	Vill + P.O. - Sutabai , Dist -Purulia West Bengal , PIN - 723121

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2. EDUCATIONAL QUALIFICATIONS :

2.1 Secondary & Higher Secondary

Examination	Board / Institution	Year of Passing	Marks		
			Obtained	Out Of (Total)	%
10	WBBSE	2015	635	700	90.71
10+2	WBCHSE	2017	437	500	87.40

2.2 Graduation (B.Tech : 2018-2022)

SEM	1	2	3	4	5	6	7	8
SGPA	8.86	9.46	9.25	Running...	-	-	-	-
CGPA	8.86	9.13	9.17					

3. Technical Skills :

3.1 Programming Languages : C , C++ , Python , Javascript(ES6)

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3.2 Other Technologies & Frameworks : React.js ,Node.js, Firebase ,
                                        Django , Git and Github(OS),
                                        Front-end developer (HTML ,
                                        CSS ,Bootstrap , js),MongoDB .
                               .

3.3 Intermediate at Machine Learning using python (Library Used :
     Numpy,Pandas,Scikit-Learn,Matplotlib,ggplot etc.), recently working
     on Tensorflow (using Keras Library)

3.4 Competitive programmer at CodeChef, Hackerrank (Not on a regular
.   basis) .

4. Coursework (Undergraduate) :

➢ Data Structures and Algorithms
➢ Design and Analysis of Algorithms
➢ Object Oriented Programming (in C++)
➢ Discrete Mathematics
➢ Theory of Computation
➢ Computer Organisation and architecture

5. Position of Responsibility :

❖   Member and Web developer at RECursion-NIT Durgapur Coding
     Community .
     ❖ Problem-setter in RECode-11 and also in monthly coding
        competitions organised by RECursion .

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❖ Junior Coordinator in '***Aarohan - The Annual Techno Management Fest 2020***' and also part of '**Team Aavishkar-NIT Durgapur'** .

❖ Contributor in recursion-nitd website : https://recursionnitd.in/
Also, fixing server-side issues and developing Ask-RECursion feature more interactive .

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6 . Projects :

6.1 Made a Blog Application based on React.js and Firebase and also made it by using Django with features - a) Sign in/ Sign Up authentication, b) Creating Post , c) Editing Post , d) Deleting Post . There is also a comment section for pointing out about the blog for Different users .
You can find it here : https://github.com/iamskab/Blog-App

6.2 Worked on a ML model based on Recommendation engine using Keras(a library in Tensorflow) in python .

Ongoing…

6.3 **ASR (Automatic Speech Recognition) , finding cognitive load of a human body using deep learning and RNN (Recurrent Neural Network) under Prof. Tranda Pal :** We have to make a model from different selected features which are able to give cognitive load to any child . So that , we can find out different methods to communicate with deformed children .

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6.4 Working on PUF (Physical Unclonable Functions) and RFID (
    Radio Frequency Identification) applications under Prof. Bibhas
    Sen : We are trying to improve the efficiency of the Tags(passive RFID
    tags) also how to work on increasing distances between Reader and
    Tags .

I hereby declare that the information given above is true and correct .

by,
    Sourav Karmakar
    10 / 05 / 2020