

SHOUVIK PAUL

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OBJECTIVE

I want to achieve a prestigious position in educated world and to enhance my knowledge, skills and experience while taking more responsibility and contribution to the growth of the organization.

WORK EXPERIENCE

❖ WINTER INTERNSHIP <i>Sikkim Manipal Institute Of Technology, Sikkim (India)</i> Department of Computer Science and Engineering, Supervisor: Prof. Debanjan Konar Topic: Multi-level Activation for segmentation of Hierarchically-nested classes. (In progress)	Jan'20 - Present
❖ PROJECT <i>Cooch Behar Government Engineering College, West Bengal (India)</i> Department of Computer Science and Engineering Supervisor: Prof. Dr. Sourav De Title: "Image clustering using PSO algorithm and Kmeans algorithm" • Image clustering using PSO algorithm, Firefly algorithm and Kmeans algorithm in Python Language.	Sept'19 –Feb'20
❖ SUMMER INTERNSHIP <i>Xavier Institute Of Social Service (XISS), Jharkhand (India)</i> Department of Information Technology Supervisor: Prof. Dr. Rik Das Title: "Multi-dimensional Clustering Using Modified Particle Swarm Optimization". • Clustering of many datasets on the basis of different types of cluster validation indices using Particle Swarm Optimization technique.	May'19 –Jun'19
❖ SUMMER INTERNSHIP <i>Jalpaiguri Government Engineering College, West Bengal (India)</i> Department Of Computer Science And Engineering Supervisor: Prof. Chinmoy Ghosh Title: "Iris Flower Data and Image Classification using Convolution Neural Network" • An approach for iris flower data classification using neural network and Image Classification using Convolutional Neural Network—Deep Learning in python	Jun'18 – Jul'18

EDUCATIONAL QUALIFICATIONS

Degree and University / Board	Institute	Division	%/ <u>GPA</u>	Year
B. Tech in Computer Science and Engineering, Maulana Abul Kalam Azad University of Technology (WBUT)	Cooch Behar Government Engineering College	First	<u>3.7 / 4</u>	2017–Present
Higher Secondary Education, WBCHSE	Jodhpur Park Boys School	First	81.8	2016 –2017
Secondary Education(Matriculation), WBBSE	Behala Aryya Vidyamandir	First	91	2014 – 2015

RESEARCH PAPERS

Research Paper: 1. "A Novel Approach of Data Clustering Using an Improved Particle Swarm Optimization Based K-Means Clustering Algorithm"

Shouvik Paul, Sourav De, Sandip Dey; International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT 2020) (Submitted)

2. Data Clustering Using New Modified Inertia Weight Based PSO Algorithm and Comparing With Other Inertia Weight Based PSO Algorithms.

Shouvik Paul, Sourav De; (In Progress)

INTERESTS

- Data Mining, Unsupervised, Semi-supervised and Supervised Learning, Data Science, Information Security and Privacy, Image Processing, AI, ML, Software Development etc.

PROJECTs / ONLINE INTERNSHIPs COMPLETED

Projects	
Indian Institute of Technology Patna (IIT Patna) <i>Department of Computer Science and Engineering</i> Supervisor: Prof. Dr. Sriparna Saha Title: “Attention Based Convolutional Neural Network For Predicting Protein–Protein Interactions”	Dec’18 – Jan’19
Cooch Behar Government Engineering College <i>Department of Computer Science and Engineering</i> Supervisor: Dr. Sourav De Title: “Flight Reservation System: Indiana Aerolinea”	Apr’19 – May’19
Cooch Behar Government Engineering College <i>Department of Computer Science and Engineering</i> Supervisor: Prof. Somen Mondal Title: “Graphical 3D View of Ground Water Level for Better Harvesting”	Aug’19 – Sept’19
Cooch Behar Government Engineering College <i>Department of Computer Science and Engineering</i> Supervisor: Prof. Sukhendu Shekhar Mondal Title: “Banking Management System”	Sept’19- Nov’19
Cooch Behar Government Engineering College Science Exhibition at Inter College level Title: “Security System Solutions using Web Controlled Home Automation”	Feb’18 – Mar’18
Online Internships	
Pouring Pounds India Private Limited Supervisor: Ms. Tarushi Varma Title: “Social Media reach and followership”	Jun’18 – Jun’18
Frienden Management Services Private Limited Supervisor: Mr. Ashish Sehra Title: “Social Media Influencer”	Dec’17 – Dec’17

IMPORTANT COURSES AND SKILLS

❖ Computer Skills:

🌐 **Programming Languages:** Python, C, C++ Programming, Java, Pytorch, PHP, SQL, JavaScript, HTML & CSS, Bootstrap, Linux, Visual Basic, MATLAB, LaTeX.

🌐 **Office Professional:** MS Word, MS Excel, PowerPoint, MS Access, OneNote, Adobe Photo Shop.

🌐 **Others:** Data science, implementation of machine learning algorithms, Training models for image classification using Tensorflow, Keras in Python, Photography, Video Editing, Web Design.

❖ Courses: Data Structure, Design & Analysis of Algorithm, Digital & Analog Design, Computer Organization, Computer Architecture, Operating Systems, Object Oriented Programming, Networking, DBMS, Multimedia etc.

❖ Non-Technical: Team player, Problem Solver, Perfectionist.

LANGUAGES

- **English** : Fluent [Official Language of the University and High School]
- **Hindi** : Fluent
- **Bengali** : Fluent
- **French** : Beginner

WORKSHOP ATTENDED

Robotics & Internet of Things	Indian Institute of Technology Bhubaneswar (IIT BBS)	Jan’18
Android App Development	Cooch Behar Government Engineering College (CGEC)	Nov’17
DST- Inspire Internship Science Camp	Institute of Engineering and Management (IEM)	Jan’16

MEMBERSHIP

International Association of Engineers (IAENG)(Membership number: 239123)	Jan'20- Jun'21
Tech Club (GEEX) -CGEC	Aug'17- Present
Inter College Sports Society, Debating Society - CGEC	Sept'17- Present
ESPERANZA – CGEC's Tech Fest	Mar'18

LEADERSHIP

Hostel Head and Mess In Charge at Sukanta Chatrabas, CGEC	Jul'17- Jun'21
Student Representative at CGEC	Jul'17- Jun'21

SCHOLARSHIP / FELLOWSHIP

Swami Vivekananda Merit Cum Means Scholarship	2017 - 2021
OASIS, Government of West Bengal Scholarship	2015 - 2016

ACADEMIC ACHIEVEMENTS

Qualified For 10+2 Cadet B. Tech Service Selection Board (SSB) by Indian Navy at Naval Selection Board Coimbatore (NSB Coimbatore)	Apr'18
Qualified For 10+2 Cadet B. Tech Service Selection Board (SSB) by Indian Navy at Naval Selection Board Visakhapatnam (NSB Visakhapatnam)	Sept'17
Qualified for Joint Entrance Examination Main (JEE MAIN) for Engineering Entrance	May'17
Qualified for West Bengal Joint Entrance Examination (WBJEE) For Engineering Entrance	May'17

EXTRA-CURRICULAR ACTIVITIES

<ul style="list-style-type: none"> Winner of Wall Magazine Competition at CGEC, 2018-19 Participated in Intra-College Football Tournament, Badminton Tournament, Cricket Tournament, Coding Competition etc. at CGEC Participated in Cultural Programme in Tech Fest, Teachers' Day and Fresher's Welcome at CGEC
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REFEREES FOR RECOMMENDATION

Referees No. →	Referee 1	Referee 2
Name	Dr. Sourav De	Dr. Sudip Kumar Adhikari
Position	Associate Professor and Head of the Department	Assistant Professor
Department and Institute	Department of Computer Science and Engineering, Cooch Behar Government Engineering College	Department of Computer Science and Engineering, Cooch Behar Government Engineering College
Relation	Research and Project guide	Faculty of 4 Courses
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References Available Upon Request