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Updated : updated on 30th Nov

PERSONAL DETAILS

- Father's Name : Lotan Chatterjee
- Mother's Name : Taramani Chatterjee
- Linguistic Proficiency : Bengali, Hindi, English, German
- Gender : Male
- Nationality : Indian

EDUCATION

Degree/ Examination	Year of Passing	School/Institute	Board/University	Percentage /Grade
Masters in Comp Science (MSc)	**2023**	**Department of Computer Science**	**Banaras Hindu University, Varanasi**	**8.90 CGPA**
B.Sc (Computer Science)	**2021**	**KMV DU, Department of Computer Science**	**University of Delhi**	**9.67 CGPA**
Class XII	**2018**	**Rajkamal Saraswati Vidya Mandir, Dhanbad**	**Central Board of Secondary Education**	**94.8 %**
Class X	**2016**	**Rajkamal Saraswati Vidya Mandir, Dhanbad**	**Central Board of Secondary Education**	**10 CGPA**

PROJECT WORK / TRAINING

- **(Ongoing) Analyzing Expansion & Redundancy in Answers using NLP**

  This project is being done by me as mini-project under Prof. V. Singh (HoD). The idea is, when students are asked to write an answer on any topic, but in cases when they have lesser content , very lesser than the word limit, lets say answer in 1000 words. Students tend to expand the answers by using fillers and repeating the same sentences again in different words. My aim is to develop a handy tool, that takes some answer as input then after analysis produces beautiful charts showing the redundancy

- **(Implementing) Automated Evaluation of Quality of Descriptive Answers using ML**

  Idea is to develop a system that automatically scores essays and other descriptive answers by analyzing the language using NLP , mentored by P K Mishra

  Project Synopsis:
  docs.google.com/document/d/1_kVMigUY3Tw6nLg6n9FrVTm34jl4FpR9/edit

- **Mail Classfication (using R) -** implemented a binary classifier using own code (without using inbuilt library) that classifies mails received in the form of text documents into spam or ham, under the guidance of Nidhi Passi

  Code: github.com/SandeepChatterjee66/spamORham

- **HoneyBot (python) -** A small project in python, done during initial years of college, built this Internet Relay Chat in python, I contributed by translating java codes into python technology, and adding functionalities of flask, with collaboration of my peer python learner friend A.Jahangeer from Mauritus,

  Code: github.com/SandeepChatterjee66/honeybot

- **Clustering Articles from Newsgroup 20 dataset -**

  This dataset is a collection newsgroup documents. The 20 newsgroups collection has become a popular data set for experiments, The 20 newsgroups dataset comprises around 18000 newsgroups posts on 20 topics. I tried clustering them to observe the number of main topics and subject areas and number of articles in each of them. Using scikit-learn library in python.

  Code: github.com/SandeepChatterjee66/NewsGroup-Clusters

- **Clustering Multi-Dimensional Biological Data** - collected data from 200 people about various health and bodily parameters, performed clustering to observe three clusters. Did it in team with collaboration of biomolecular students from Venky College.

- **Link Shortener in PHP** - made one link shortener and url redirecter made using php, inspired by bit.ly also added features to visualize analysis of click links. It was one of my beginner project I did from scratch

  Deployement (php hosted): http://mylink.rf.gd/

AREAS OF INTERESTS

- Natural Language Processing
- Machine Learning and Data Science
- Data Mining and BigData Analytics
- Algorithms and Computing

SOFTWARE SKILL SET

- Language Proficient : Python, R, MATLAB, C++, Java, .NET
- Languages Learning : Go, Julia, Haskell, LISP
- Operating System : Windows, Linux, Android
- Python Frameworks : Pandas, Numpy, Scikit-learn, Stats Models; Tensorflow (learning)
- Packages : MS Excel, SPSS, Power BI (learning),
- DBMS : Oracle, MySQL, SQLite
- Other : Django Web Development, Bootstrap Frontend, React Framework

ACADEMIC ACHIEVEMENTS & CO-CURRICULAR ACTIVITIES

- **Event Coordinator of Coding Contest**
  Organized All India level Coding Contest for algorithmic challanges, with around 1000 participants all over the country.
- **Founding Member of Fine Arts Club**
  Under supervision of Student Advisor Amiya Sir and Dean Ma'am, became the coordinator of our official Fine Arts Club of Institute of Science, BHU. Learnt leadership skills, which give me confidence to lead our first project of Rangoli Team from front.
- **First Prize at Algoholics - in First Year at college (DU)**
  During college fest, a two day algorithm design contest, having around 500 screened participants all around Delhi. Held on the occasion of Sankalan the annual fest of DU.
- **Class Coordinator and Training & Placement Coordinator**
  Had the experience of holding responsibilities as representative of our MSc class, developed my leadership and coordination qualities alongwith team work.
- **BHU PET AIR Rank 1**
  Got AIR Rank 1 in the entrance of BHU. Took the exam in 3 subjects, out of which received rank 1 in 2 subjects of BHU MSc Computer Science and MSc Computational Science. Also got rank 12 in JNUEE'21 for MCAM.
- **Qualified GATE 2021 with good rank in first attempt**
  Attempted GATE 2021 in the branch CSE for the first time, got 40 marks qualifying the competitive exam.
- **Platinum Badge in Python Exam of NPTEL**
  Was one of the course toppers of the course offered by NPTEL in Joy of Computing using python 2021 session. Name was published in the course toppers hall of fame page. NPTEL is a free learning platform by govt of India under ministry of education.

HOBBIES

- Calligraphy, Oil Painting, Illustrative digital arts (won first prize in Akanksha recently in fine arts competition)
- Music - part of working committee of Mousiquee the music club of BHU
- Graffittee, Street Photography, Nature Photography

EXPERIENCES

- Student Editorial Board Member Department of Computer Science, University of Delhi (Aug 2019 - Jul 2020) (1 year)
  Worked as graphic designer and editor for the annual college magazine
- Core Team Member at Fine Arts Society of KMV ,MANIERA (Sep 2018 - May 2021) (2 year 9 months)
  Loved Visiting art galleries and exhibitions. Passonately loved Fine Arts - Charcoal Sketching, Calligraphy and material painting. As PR Head my job was to connect with and convey to the presidents and representatives of other fine arts clubs and societies
- AyurBiology Sri Venketeshwara, DU - CSIR, IGIB, New Delhi May 2019 - Jul 2019 (3 months)
  Worked on a classification model which can predict the prakriti type based on various physiological characters. Performed, data processing, cleaning and clustering of collected data from survey questionire and prepared the data for training.
- Participated in Hackathon by HackDUCS - 2019 (3 days long challenge)
  implemented a prototype of resume analysis tool, that parses unstructured resume files in docx, pdf format and extracts skill set background from the resume.
- Participated in Data Science Competition DUBG (held in Kaggle)
  did submission of class labels, classified by boosted model with 90% accuracy. The objective was to predict the loan defaulting of customer as response in a bank data of customers using 100 given variables

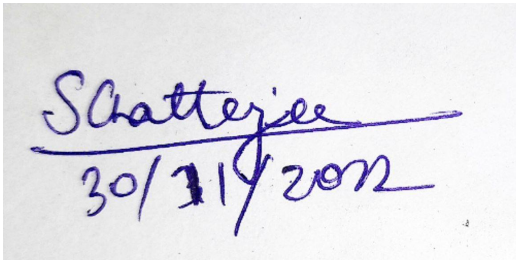
CERTIFICATIONS

- **1st Prize in Algorithm Design Competition** - Algoholics Department of Computer Science, DU
- **CS50 - 50 days of Computer Science** - online course by Harvard University
- **Angular Js 5** - Udemy
- **Descriptive Statistics using R Software** - NPTEL
- **Joy of Computing using Python** - NPTEL

- **Data Analytics using Python -** NPTEL
- **Cloud Computing using Google Platform** - NPTEL
- **Data Structues and Algorithms using Python -** NPTEL
- **CodeInPlace** - free online course offered by Stanford Online
- **Training in Linux Administration** - The Linux Foundation

DECLARATION

I solemnly declare that all the above information is correct to the best of my knowledge and belief.



Wednesday, November 30th, 2022