

# Subhra Samir Kundu

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## Professional Summary

- Interested in Research and Development.
- Interested in solving ambiguous problems in Quantum Realm, AI and Business Intelligence.
- Interested in defining new data-driven product strategies from raw and unclear data for my employers.
- Interested in Image Processing, Social Network Analysis, Natural Language Processing, Machine Learning, Deep Learning, Recommendation System and Quantum Computing, well versed in undergraduate and postgraduate research in applied AI
- Accredited with 10+ certifications in Big Data, Data Science & Machine Learning to develop relevant skillset.

## Skillset

- **Python, MATLAB, SQL, R, Java, C**
- **Data Cleaning, Data Manipulation, Data Insights, Black-Box Interpretation in Python and R:** pandas, scipy, numpy, jupyter, plotly, matplotlib, dplyr, ggplot
- **Machine Learning, Deep Learning:** scikit-learn, tensorflow 2.0, tf.keras, Linear Regression, Logistic Regression, Support Vector Machines (SVM), Random Forests, Decision Trees, Mixture Models, Deep Neural Networks (ANN, DNN), Convolutional Neural Networks (CNN), Long Short-Term Memory (LSTM)
- **Statistical Analysis:** Hypothesis Testing (A/B testing), Analysis of Variance (ANOVA), Dataset Imbalance Corrections
- **Quantum Computing:** qiskit
- **Web App Development and Deployment in Python:** Django and Flask.

## Education

- **Master of Computer Applications**, Amity University, Kolkata (July 2019 – Present)
  - Studying Image Processing, Big Data, Machine Learning, Networking and Cloud Computing.
  - Joint topper with a CGPA of 9.77 (till 3rd Sem).
- **Bachelor of Computer Applications**, Amity University, Kolkata (July 2016 - June 2019)
  - Studied Data Structures, Operating System, DBMS, Optimization, Different programming languages.
  - Topper of class and Gold Medallist of the Batch. Passed with 9.54 CGPA
- **ISC & ICSE**, Julien Day School, Ganganagar, Kolkata (High School) (April 2002-May 2016)
  - **ISC-** Studied Science with Mathematics and Computer Science. Passed with a percentage of 90.25%.
  - **ICSE-** Studied Science, Literature and Arts. Passed with 93%; Acquired 5th Position in the boards in school;

## Experience

- **Random Quantum, Kolkata** — Research Intern  
April 2020 – PRESENT  
Researching on the different computing models for quantum technology
- **RJ Softwares, Kolkata** — Summer Intern  
June 2018 - July 2018  
Developed new Algorithm for [Lexulous Word Game©](#) making the bot powerful by 12% from previous
- **PayTm, Kolkata** — Campus Ambassador  
May 2018 - June 2019  
Made People understand and aware of the benefits of Digital Money and thus increased online payment of Fees via PayTm by 20% for our college students.

## Projects

- **Personalised Word Recommendation System using Sentiment Analysis** - published as a paper in AICS of Springer International in Jan- Mar 2020 edition; The first author and the Model Developer of the paper.
- **Automated Question Paper Generation webapp©**- A Web Application developed using Django; A Web Application To generate question papers based on the provided question bank.
- **Reversible Computing: Extension to PISA Instruction Set**- published in 6th International Conference on 'Microelectronics, Circuits and Systems', Micro2019.

## **Achievements**

- **Gold Medallist**, BCA Batch of 2016-2019, for Consistent Academic Performance at Highest Levels (9.54 CGPA)
- **Shri Baljeet Shashtri Award** for in human and traditional values, The highest award in Amity
- **Felicitation for Outstanding Performance** in Secondary and Higher Secondary, By North Dum-Dum Municipal Corporation.
- **Amity University Kolkata** - IT and Tech Club: Founder, Captain and Administrator; Student Core Committee Member; Editor of College Magazine; Organizer and Moderator of Different Events; 20+ freelancing project for personal enhancement; Head of Discipline Committee.
- **Julien Day School**: The Vice-Captain of Yellow house; Head of Discipline Committee; Founder and Captain of Quiz Club; Member of Drama Club; Many performances and won many prizes all over Kolkata;