

RITAMAN SARKAR

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EDUCATION

B.Sc (Hons) (4 yrs) in Philosophy and Computer Science, Minor in English	Ashoka University	2027	3.34/4 CGPA
CLASS XII	PRABHARANI PUBLIC SCHOOL	CBSE 2023	94.4 %
CLASS X	DON BOSCO SCHOOL BERHAMPORE	ICSE 2021	91.16 %
Subjects / Electives	AI and Philosophy, Linear Alegbra, Discrete Mathematics, Symbolic Logic, Probability and Statistics		
Technical Proficiency	Debugging, Computer Architecture, Transformer, Machine Learning, Computer Vision, Python, PyTorch, Image Analysis, Tensorflow, AIML, Logic, Logistic Regression, Statistics, Deep Learning, Neural Networks, Propagation		

WORK EXPERIENCE

NOBEL HYGIENE <i>FREELANCE SEO BLOG WRITER</i>	Feb 2022 - May 2022
I wrote six SEO blogs on urinary and menstrual hygiene.	

INTERNSHIPS EXPERIENCE

ASHOKA UNIVERSITY <i>Teaching Assistant</i>	Jan 2025 - May 2025
I was a Teaching Assistant for the course Introduction to Philosophy (PHI-1000-1), under Professor Kranti Saran.	

PROJECTS

Poetry in Parliament - This was a research project under Professor Aalok Thakkar, CS dept.	Jul 2025 - Present
This Project aims to digitise in machine-readable form the debate texts of the Indian Parliament and then answer quantitative questions about the usage of poetry in these Parliamentary debates, thus aiding research that seeks to study the status of poetry in the building of the rhetoric of the nation.	

EXTRA CURRICULAR ACTIVITIES

IIT Delhi CS Data Privacy Summer School 2025	Jul 2025 - Jul 2025
Attended the IIT Delhi CS Data Privacy Summer School 2025. This program aimed to educate the attendees about current techniques for achieving privacy and to highlight some of the major open challenges in the field.	
Summer Abroad @ KCL	Jul 2024 - Jul 2024
I attended the programme Summer Abroad at King's College London and studied a Sociology Elective called Media, Gender and Culture.	

CERTIFICATIONS

NAME	CERTIFYING AUTHORITY	DESCRIPTION
Deep Learning Specialisation	DeepLearning.AI	Mastered theoretical concepts and tackled real-world cases such as speech recognition, music synthesis, chatbots, machine translation, natural language processing, and more.
Neural Networks and Deep Learning	DeepLearning.AI	I was made familiar with the significant technological trends driving the rise of deep learning; build, train, and apply fully connected deep neural networks; implement efficient (vectorized) neural networks etc.
Structuring Machine Learning Projects	DeepLearning.AI	I was made able to diagnose errors in a machine learning system; prioritize strategies for reducing errors; understand complex ML settings and apply end-to-end learning, transfer learning, and multi-task learning.
CNNs	DeepLearning.AI	I was made able to build a convolutional neural network, including recent variations such as residual networks etc. and use neural style transfer to generate art and apply these algorithms to a variety of image, video, and other 2D or 3D data.
Improving Deep Neural Networks	DeepLearning.AI	Learned to implement and apply a variety of optimization algorithms, such as mini-batch gradient descent, Momentum, RMSprop and Adam, and check for their convergence; and implement a neural network in TensorFlow.
Sequence Models	DeepLearning.AI	Gained experience with natural language processing and Word Embeddings; and use HuggingFace tokenizers and transformer models to solve different NLP tasks such as NER and Question Answering etc.

COMPETITIONS

Paper Presentation Competition , Praśna 2025, St. Stephen's College, DU	Apr 2025
Participated in the Paper Presentation Competition as a part of the Philosophy Festival: Prana 2025, St. Stephen's College, DU and presented my paper titled "The Lonely Creator: Miltonian Metaphysics".	

TEST SCORES

SAT Score: 1360/1600	Dec 2022
Duolingo English Test Score: 135/160	Dec 2022

PUBLICATIONS

RaktabĳaVināśinī: The vanquisher of Raktabĳa Journal name: Ashoka University's Philosophy Society	Jun 2025
Wrote an essay on Ashoka University's Philosophy Society about a philosophical interpretation of a popular myth from Hindu Mythology.	

LANGUAGES KNOWN

English, Bengali, Hindi