

NUR - A - ALAM PATWARY

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University of Dhaka, Dhaka-1000, Bangladesh

EDUCATION

BS	Department of Nuclear Engineering	Jan'16-May'21
	University of Dhaka	

TECHNICAL SKILL

Languages (C, C++, Python) **Script** (MatLab, Javascript) **Tools** (Microsoft Office,)

PROJECT & RESEARCH EXPERIENCE

Loss of Coolant Accident Response System (Guide - Asst.Prof. Jafor Dewan) (Undergraduate project)	Dec '17 – Feb '18
MRI Image noise reduction and contrast enhancement (Guide - Asst.Prof. Faisal Rahman) (Undergraduate Thesis)	Nov'19 - Jun'20
DNA Classification (self paced project)	Sep'20-Oct'20

EXPERIENCE

Undergraduate Industrial training Nuclear and Radiation Chemistry Division (NRCD)	Feb'19-Mar'19
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CERTIFICATIONS

1. Online course "Bioinformatics Specialization", Apr'20-Jan'21
University of California--San Diego (via Coursera), giving how to answer many questions in modern biology that have become inseparable from the computational approaches used to solve them.
skills gained - Whole Genome Sequencing, Viterbi Algorithm, Suffix Tree, Unweighted Pair Group Method with Arithmetic Mean (UPGMA), HMM, Bioinformatics Algorithms, Dynamic Programming, Graph Theory (with certificate)

2. Online course "Algorithms",

Apr'20-Sep'20

Stanford University (via Coursera), giving the basic knowledge of introduction to algorithms for learners with at least a little programming experience

Skills gained- Dynamic Programming ,Greedy Algorithm ,Divide And Conquer Algorithms ,Randomized Algorithm ,Sorting Algorithm ,Graphs ,Data Structure ,Hash Table ,Spanning Tree , Np-Completeness (with certificate)

3. Online course " Introduction to Genetics and Evolution",

May'20-Jul '20

Duke University (via Coursera), gives a very basic overview of some principles behind these very fundamental areas of biology

Skills gained – Biology, Genetics , Evolution , Genomics (with certificate)