# NUR - A - ALAM PATWARY

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| Phone: (880) 1521202715  nuraalamp@gmail.com | 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** Dec ‘17 – Feb ‘18

(Guide - Asst.Prof. Jafor Dewan)

(Undergraduate project)

**MRI Image noise reduction and contrast enhancement** Nov’19 - Jun’20

(Guide - Asst.Prof. Faisal Rahman)

(Undergraduate Thesis)

**DNA Classification** Sep’20-Oct’20(self paced project)

# Experience

**Undergraduate Industrial training** Feb’19-Mar’19   
Nuclear and Radiation Chemistry Division (NRCD)

# 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)