Mrinmoy Saha Roddur

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Education

2015–2019   B.Sc. Engg. in Computer Science & Engineering
Bangladesh University of Engineering & Technology, Dhaka, Bangladesh
CGPA : 3.83/4.00
Thesis: A statistically consistent & boosting-friendly quartet distance based species tree estimation method
Supervisor: Dr. Md. Shamsuzzoha Bayzid
Awards : Graduated with HONOURS; Dean's List (all sessions); University Merit Scholarship

Research Interests

○ Computational Evolutionary Biology ○ Computational Genomics and Proteomics
○ Systems Biology ○ Structural Biology ○ Parallel Computing

Research Experience

A distributed Rough Set Theory algorithm based on biclustering technique for feature reduction under the Spark framework.
Supervised by Dr. Md. Shamsuzzoha Bayzid, Assistant Professor, Dept. Of CSE, BUET & Dr. Zaineb Chelly Dagdia, H2020 COMPRISE Project Manager, INRIA

A statistically consistent & boosting-friendly quartet distance based species tree estimation method.
Supervised by Dr. Md. Shamsuzzoha Bayzid, Assistant Professor, Dept. Of CSE, BUET

Professional Experience

June 2019 - **Lecturer**, Dept. of Computer Science & Engineering.
Present   Southeast University, Dhaka, Bangladesh

Notable Projects

Poem Generator   An LSTM and Markov Chain based model to generate meaningful poems that rhyme.
Language : Python

FaceMask   A camera app to allow its users to transform appearance with masks and effect filters in real time, inspired by famous app "MSQRD".
Language : Java, *Platform :* Android

DUCSU LPR	A web platform for publishing law and politics reviews *Language:* Python, *Framework :* Django
Emblem Bangladesh	A website to crop and add photo frames in Facebook profile pictures. *Language :* PHP, JavaScript, HTML, CSS, SQL
Fix-it Felix Jr.	Remake of the retro game with the same title. *Language :* C++

Technical Skills

Language	Highly proficient - C, C++, Java, Python; Fairly experienced - PHP, R, Scala, JavaScript, Assembly (Intel x86, MIPS), HTML, XML, Bash, CSS
Framework	Spark, Django, Laravel, Bootstrap
Database	Oracle SQL, MySQL, PostgreSQL, SQLite, HBase
Modeling Language	UML, ER Diagram
Tools	LaTeX, Flex, Bison, CMake, Maven, Git, OpenGL
Operating System	Linux (Debian & Arch based), Windows

Related Coursework

○ Data Structure ○ Algorithm ○ Artificial Intelligence ○ Machine Learning ○ Pattern Recognition ○ Statistics & Probability ○ Discrete Mathematics ○ Database

Reference

Dr. Md. Shamsuzzoha Bayzid

Assistant Professor

Department of CSE

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