Taufiq Islam Protick

1730 Varsity Dr, Raleigh, NC 27606

📞 984-255-3614 ✉ tprotic@ncsu.edu in LinkedIn

EDUCATION

PhD in Computer Science (Advisor Dr. Anupam Das) — **August 2019-Present**
North Carolina State University - GPA: 4.00/4.00, Graduate Major GPA: 4.095/4.00 — *Raleigh, NC*

B.SC. in Computer Science and Engineering (Undergrad Thesis Advisor: Dr. Sadia Sharmin) — **February 2017**
Bangladesh University of Engineering and Technology - GPA: 3.70/4.00, 3.82/4.00(last two years) — *Dhaka, Bangladesh*

COURSEWORKS

- Applied Statistical Methods
- Software Engineering
- Neural Networks and Deep Learning
- Compiler Construction
- Artificial Intelligence
- Automated Learning and Data Analysis
- Algorithms
- Advanced Topics in ML
- Information System Design
- Software Development
- Structured Programming Language (C)
- OOP (C++, Java)

WORK EXPERIENCE

Graduate Teaching Assistant — **August 2019-Present**
North Carolina State University - TA for C and software tools, Algorithms, Operating Systems — *Raleigh, NC*

Summer Instructor — **May 2023-August 2023**
North Carolina State University - Instructor for Operating Systems — *Raleigh, NC*

Summer Instructor — **May 2022-August 2022**
North Carolina State University - Instructor for Operating Systems — *Raleigh, NC*

Graduate Research Assistant — **July 2020-May2021**
North Carolina State University — *Raleigh, NC*

Lecturer — **May 2017-July 2019**
United International University — *Dhaka, Bangladesh*

Junior Engineer (iOS Developer) — **March 2017-May2017**
Kona Software Lab — *Dhaka, Bangladesh*

RESEARCH PROJECTS

Using Large Language Models for Finding Security and Privacy Concerns in IoT Product Reviews — **August 2023-Present**
with Dr. Anupam Das

Eliciting Security and Privacy Concerns from IoT Product Reviews: A mixed method approach — **August 2021-August 2023**
with Dr. Anupam Das

Analysis of a Simple, Low-cost Intervention's Impact on Retention of Women in Computer Science (NSF Award: 2021330) — **Aug 2020 - May 2021**
with Drs. Bita Akram (PI), Tiffany Barnes, Thomas Price, Lina Battestilli, and Susan Fisk

Time-Series Cluster Analysis of Students' Learning Progression in a Game-based Learning Environment, ENGAGE — **January 2020 - May 2021**
with Dr. Bita Akram

Gaining Insights into Programming Comprehension through Cluster Techniques — **October 2020 - May 2021**
with Spencer Yoder, Kamil Akhuseyinoglu, Drs. Peter Brusilovsky and Bita Akram

Predicting Secondary Structure of Proteins with Neural Networks — **October 2017-July 2019**
with Drs. Md. Shamsuzzoha Bayzid, Atif Hasan Rahman

AWARD & FELLOWSHIP

NC State College of Engineering Mentored Teaching Fellowship — **January 2023**
for the course C and Software tools

TECHNICAL SKILLS

Languages	Java, Python, Linux Command Line, C/C++, R, SAS, RDFS, MySQL, OWL, x86 Assembly, Prolog, LaTeX, SQL, Lex and Yacc, C#, Asp.net, XML, HTML
DBMS	MySQL, Oracle
Tools	Jenkins, Docker, Jupyter Notebook, WEKA, node.js, OpenGL, OpenCV, Protégé, NS2, Proteus, Xcode, Cisco Packet Tracer, Origin Lab
Version control	git
Frameworks	Openai, Spacy, NLTK, Keras, Scikit-Learn, Tensorflow, REST API, Regex Library, React JS
Hardware	Atmel ATmega32

ACHIEVEMENTS (ACADEMIC & EXTRACURRICULAR)

Dean's List	**February 2017, April 2012**
Undergrad Merit Position	**January 2016, July 2015, and April 2012**
15th in Dhaka Board Higher Secondary School Certificate Exam	**June 2011**
9th in Dhaka Board Secondary School Certificate Exam	**October 2009**
Champion in NCSU Intramural Sports Chess Tournament (Fall 2021)	**November 2021**