PROFILE

In my current work, I am using advanced Machine Learning approaches (i.e., Transfer Learning and Online Learning) to solve critical Software Engineering problems, such as detecting anomalous software behavior, classifying issues and sentiments in software-related texts, generating code comments, etc. I am also working on different Topic Modeling and Text Classification techniques for handling software development issues faced by application developers. In terms of software products, my goal is to design AI-driven components that can help both individuals and communities solve their problems. Through the application of various analytical tools and meticulously designed algorithms, I would like to expand my expertise by incorporating my skills into academic and industrial projects with practical applications.

Other than being a researcher, I mentor, motivate, and supervise underprivileged undergrads from Bangladesh who aim to become stellar researchers.

CONTACT

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KEY ATTRIBUTES

- Determined to make a difference in individual and community
- Fastidious
- Patient, approachable
- Susceptible to suggestion +/ criticism
- Always on my way to building a rich repertoire of diverse skillset and interests
- Eager to build a rich repertoire by searching beyond immediate horizon.

MOHAMMAD ABDUL HADI

Graduate Research Assistant, UBC

EDUCATION

University of British Columbia, Canada
MS in Computer Science (Sep 2019 – Present)
Awards: Graduate Dean's Entrance Scholarship, University Graduate Fellowship
Research Focus: Transfer Learning (SE) + Unsupervised Learning (NLP)

North South University, Bangladesh
BSc in Computer Science and Engineering (May 2014 – April 2018)
Vice Chancellor's Gold Medal (Topper) + Summa Cum Laude
Awards: Full Scholarship + Senior Research Grant
CGPA: 3.99/4.00

RECENT WORK EXPERIENCE

The University of British Columbia – [Graduate Research and Teaching Assistant]
Sep 2019 – Present
Proposed a Topic Modeling Algorithm; Completed an Empirical Study on Transfer Learning techniques, Designed an interactive visualization tool for a project of Archeology Department.

Singapore Management University, SOAR – [Research Assistant]
July 2021 – December 2021
DeepSense – Accumulating API resources for developers from multiple platforms.

Scrawlr Inc., Vancouver – [Software Engineer Intern]
April 2021 – July 2021
Text and Sentiment Similarity at Scale.

Josef Schulte GmbH, Delbruck, Germany – [Software Engineer Intern (Remote)]
April 2021 – July 2021
ARISE: Artificial Intelligence in production planning and management

Niedner Inc., Montreal – [Software Engineer Intern]
Jan 2020 – Jun 2020
Modeling and optimization of woven composite hydraulic tubes to reduce in-service defects and failures - Phase II (Led the visualization team).

Eastern University, Bangladesh – [Lecturer, Researcher]
Jul 2018 – Aug 2019
Studied correlation between the use of smartphone applications and students' academic results; Built a platform to propose dynamic physician consultation fee structure incorporating scrutinized metrics.

North South University, Bangladesh – [Research Assistant]
Oct 2017 – Apr 2018
Project: Autonomous Robot Implementing Slam Algorithm (ARISA) with an approach to navigate blind people in an unstructured environment.

SKILLS