

K.M. Tahsin Hassan Rahit

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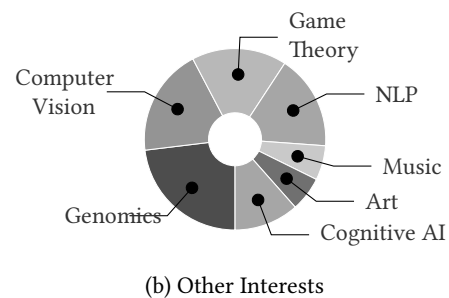
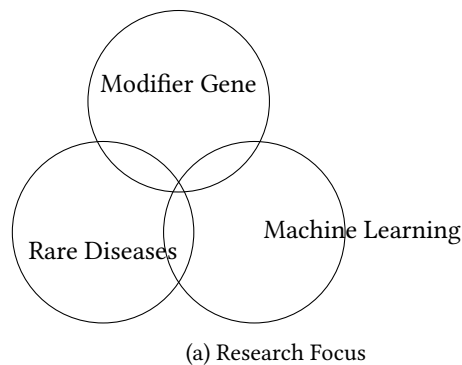
TL;DR

+ Currently full-time graduate researcher in Bioinformatics, previously completed MS in Computer Science with multiple awards
+ Formerly - Lecturer, Project Manager, Software Engineer

Objective

→ Enriching personal knowledge.
→ Proper utilization of acquired knowledge through research and development.
→ Passing down the knowledge & expertise to others and contribute to its legacy.

Interests



Education

Present	PHD in Biochemistry & Molecular Biology (Bioinformatics), University of Calgary Research Area: Machine learning & Artificial Intelligence for Rare disease genomics
2017	MSc in Intelligent System, American International University -Bangladesh Grade: 3.90 on scale 4.00 Research Area: Natural Language Processing (NLP)
2015	BSc in Computer Science & Engineering, American International University -Bangladesh Grade: 3.83 on scale 4.00
2011	HIGH SCHOOL: Notre Dame College, Dhaka Grade: 4.60 on scale 5.00
2009	SCHOOL: in B.A.F Shaheen College, Dhaka Grade: 5.00 on scale 5.00

Experience

- 2018-now (leave) Scientific Officer,
Bangladesh Atomic Energy Commission (Govt.), Atomic Energy Research Establishment, Dhaka
- Tenure tracked scientist at Institute of Computer Science (ICS)
 - Manage and develop computer science related R&D in the organization.
- 2017-2018 Lecturer, Primeasia University
- Course Instructor: Web Technology, Data Mining, Structural Programming Language
- 2017-2017 Software Engineer, Job Minister Inc, Canada
- Full stack software engineer for jobminister.ca. (Python, web scraping)
- 2016-2017 Project Manager, Amujamu Co., LTD, Thailand
- All software and related service development decision making including infrastructure.
 - Monitor and manage HR
 - Ensuring proper SDLC & Documentation
- 2015-2016 Software Engineer, Prochito Information Technology Solution
- Full-stack Development lead in Agile environment
 - Development lead of amujamu.com, accounting software for a Marketing Agency, couple of R&D scraping projects
 - Design & develop database, software architecture including DevOps
- 2013-2014 Senior Web Programmer, Web Technology Bangladesh
- Web based PMS software for Educational Engineering Department (EED) of Ministry of Education, Bangladesh
 - Management software for Bangladesh Institute of Administration and Management (BIAM)
- 2012-2015 Freelancer, oDesk
- Web developing by CMS and Frameworks (php)
 - Incudigm Network, USA: Remote project management
 - Interfile, Italy: System migration and system security system of an Italian file sharing platform

Grants, Honors & Awards

- 2019-24 Eyes High Doctoral Recruitment Scholarship
- Most prestigious internal scholarship at University of Calgary that recognizes high-achieving doctoral student.
- 2019-20 Alberta Graduate Excellence Scholarship (AGES)
- Outstanding academic achievements recognized by Alberta provincial government.
- 2017 Vice Chancellor Gold Medal
- For M.S. Research work on Bengali WordNet.
- 2017 Magna Cum Laude
- For maintaining excellent academic result throughout my enrollment.
- 2016-17,2017-18 National ICT Fellowship from Bangladesh Government
- Research fellowship for two consecutive year from ICT division of Bangladesh Government
- 2012-15 Full Free Scholarship
- 100% scholarship grant through out my undergraduate degree.

Tech Exposure

Proficient in - Python • PHP • Symfony • Django • MySQL
Good at - JS • HTML5 • CSS3 • AngularJS
Familiar with - Elasticsearch • NoSQL • Tensorflow • R • Kaggle
Previously used - C/C++ • Java • Laravel • Pyramid Framework • PostgreSQL • Weka • Scrapy
Experienced with - Git • SciKit • Docker • Ansible • DB Architecture, Design & Management • Apache • Nginx • Linux • DevOps & CI

Community Engagement, Organizational & Other Activities

2019-now	Vice President (Finance), Bangladeshi Scholars' Association, University of Calgary
2019	Poster Session Judge, Alberta Children's Hospital Research Institute, Summer Student Research Day, University of Calgary
2019	Mentor, International Student Student Service, University of Calgary
2018	Instructor of the <i>Science of Living</i> class for 6-9th grade students at Cosmo School, Dhaka
2018	Volunteer, Bangladeshi Scholars' Association, University of Calgary
2013	BAPS-BUBT National Programming Camp, Dhaka
2013	GDG-Dhaka DevFest & Hackathon
2013	NSU Cybnauts Programming Contest
2004	Quantum Method Meditation Course
2005-now	Volunteer, Quantum Foundation, Bangladesh

Publications & talks

REFEREED ARTICLES

2020	(Invited Review) K.M. Tahsin Hassan Rahit , Maja Tarailo-Graovac "Genetic Modifiers and Rare Mendelian Disease", Genes 2020, 11(3), 239; https://doi.org/10.3390/genes11030239
2019	K.M. Tahsin Hassan Rahit , Rashidul Hasan Nabil, Md Hasibul Huq "Machine Translation from Natural Language to Code using Long-Short Term Memory", Proceedings of the Future Technologies Conference (FTC) 2019, Advances in Intelligent Systems and Computing, vol 1069, doi 10.1007/978-3-030-32520-6_6
2018	K.M. Tahsin Hassan Rahit , Tabin Hasan, Md Al-Amin, Zahiduddin Ahmed "BanglaNet: Towards a WordNet for Bengali Language", Proceedings of the 9th Global WordNet Conference (GWC 2018), Global Wordnet Association, Singapore, ISBN 978-981-11-7087-4, Available Online: http://compling.hss.ntu.edu.sg/events/2018-gwc/

CONFERENCE ABSTRACTS & TALKS

2019	K.M. Tahsin Hassan Rahit , Tatiana Maroilley, Susan Stasiuk, Maja Tarailo-Graovac "Identifying genetic modifiers from Whole Genome Sequencing data", BioNetAB 2019
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POSTER

2019	Tatiana Maroilley, Susan Stasiuk, K.M. Tahsin Hassan Rahit , Mathieu Meode, Kevin F. O'Connell and Maja Tarailo-Graovac "High throughput identification of MCCRP2 genetic modifiers using <i>Caenorhabditis elegans</i> ", American Society of Human Genetics (ASHG) Annual Meeting 2019
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THESIS

2017	K.M. Tahsin Hassan Rahit "BanglaNet: Towards a WordNet for Bengali Language using Cross Lingual WSD", Masters Thesis. American International University -Bangladesh (AIUB).
2015	K.M. Tahsin Hassan Rahit , Faheem Abrar "Product Information Indexing Based on Crowdsourced Review Extraction", Undergraduate Thesis. American International University -Bangladesh (AIUB).

INVITED TALKS & SEMINAR PRESENTATIONS

- 2019 *“Identifying the Silent Heroes of Nature to Cure Rare Genetic Disorders”*
Knowledge Mobilization Through Community Engagement, Calgary Immigrant Community
- 2017 *“Handling Software Projects- The Professional Way”*
(Invited) Workshop and training program on professional software development, American International University-Bangladesh(AIUB)
- 2016 *“The Zen of Python: Python in Depth and its Frameworks”*
(Invited) Day Long Workshop on Python Programming Language for university students, American International University-Bangladesh(AIUB)
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