

Mia Mohammad **Imran**

Department of Computer Science
Missouri University of Science & Technology
Rolla, MO
USA
<https://imranraado7.github.io/>

+18047679456
imranm@mst.edu
[imranraad](#)
[imranraado7](#)
[uVCaRjAAAAAJ](#)

Education

2020–2024 Ph.D., Computer Science, Virginia Commonwealth University, USA
Dissertation: Towards Effective Developer Communication in Open Source Software via Emotional Awareness
Advisor: Dr. Kostadin Damevski
2012–2016 B.Sc., Computer Science and Engineering, University of Dhaka, Bangladesh

Experiences

2024–Present Assistant Professor, Missouri University of Science & Technology
2020–2024 Graduate Research Assistant, Virginia Commonwealth University
2020–2022 Graduate Teaching Assistant, Virginia Commonwealth University
2022 Software Engineering Intern, Google LLC, Kirkland, USA
2019 Software Engineer, Impel IT Solutions, Dhaka, Bangladesh
2018–2019 Software Engineer, AnyConnect Private Limited, Dhaka, Bangladesh
2016–2018 Software Engineer, IPVision Canada Inc, Dhaka, Bangladesh

Publications

Publications are available at <https://scholar.google.com/citations?user=uVCaRjAAAAAJ>

- [1] **Imran, Mia Mohammad**, Preetha Chatterjee, and Kostadin Damevski. “Uncovering the Causes of Emotions in Software Developer Communication Using Zero-shot LLMs” - In 2024 IEEE/ACM 46th International Conference on Software Engineering (ICSE). 2024.
- [2] **Imran, Mia Mohammad**, Preetha Chatterjee, and Kostadin Damevski. “Shedding Light on Software Engineering-specific Metaphors and Idioms.” - In 2024 IEEE/ACM 46th International Conference on Software Engineering (ICSE). 2024.
- [3] **Imran, Mia Mohammad**. “Emotion Classification In Software Engineering Texts: A Comparative Analysis of Pre-trained Transformers Language Models” - 3rd International Workshop on Natural Language-based Software Engineering (NLBSE), 2024.
- [4] Eshani, Ramtin, **Mia Mohammad Imran**, Bobby Zita, Preetha Chatterjee, and Kostadin Damevski. “Incivility in Open Source Projects: A Comprehensive Annotated Dataset of Locked GitHub Issue Threads” - In 2024 IEEE/ACM 21st International Conference on Mining Software Repositories (MSR). IEEE, 2024.
- [5] **Imran, Mia Mohammad**, Yashasvi Jain, Preetha Chatterjee, and Kostadin Damevski. “Data Augmentation for Improving Emotion Recognition in Software Engineering Communication.” In Proceedings of the 37th IEEE/ACM International Conference on Automated Software Engineering. 2022.
- [6] **Imran, Mia Mohammad**, and Kostadin Damevski. “Using clarification questions to improve software developers’ Web search.” Information and Software Technology 151 (2022): 107021.
- [7] **Imran, Mia Mohammad**, Agnieszka Ciborowska, and Kostadin Damevski. “Automatically selecting follow-up questions for deficient bug reports.” In 2021 IEEE/ACM 18th International Conference on Mining Software Repositories (MSR). IEEE, 2021.

Workshops and Presentations

- [1] Ali, H., **Imran, M. M.**, Damevski, K., and Ahmed, I. (2024). Python and Natural Language Processing (NLP) for Digital Forensics, Virginia State Police training, 2024.
- [2] Ali, H., **Imran, M. M.**, Damevski, K., and Ahmed, I. (2023). Natural Language Processing (NLP) for Digital Forensics, Digital Forensic Research Workshop (DFRWS), USA, 2023.
- [3] **Imran, M. M.** (2023). Exploring Emotions in Open-Source Software Developers' Communications: Findings and Prospects, Computer Science Speaker Series, VCU, 2023.

Teaching Assistant

2022	CMSC 455. Software as a Service	Virginia Commonwealth University
2021	CMSC 455. Software as a Service	Virginia Commonwealth University
2021	CMSC 401. Algorithm Analysis	Virginia Commonwealth University
2020	CMSC 401. Algorithm Analysis	Virginia Commonwealth University
2020	CMSC 508. Database Theory	Virginia Commonwealth University

Supervision

2024	Bobby Zita, Undergraduate Student	REU Program, VCU
2024	Rebekah Copeland, Undergraduate Student	REU Program, VCU
2024	Christian Novalski, Undergraduate Student	REU Program, VCU
2024	Steven Bui, Undergraduate Student	REU Program, VCU
2023	Bobby Zita, Undergraduate Student	REU Program, VCU
2023	Xander Cole, Undergraduate Student	REU Program, VCU

Awards

- [1] VCU's International Engineering Student Scholarship 2021
- [2] VCU CS 2024 Outstanding Paper Award