

# MIA MOHAMMAD Imran

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## Education

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**Virginia Commonwealth University**  
*Computer Science*

**Richmond, VA**  
2024

**University of Dhaka**  
*Computer Science and Engineering*

**Dhaka, Bangladesh**  
2016

## Professional Employment

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**Missouri University of Science & Technology**  
*Assistant Professor*

**Rolla, MO, USA**  
08/2024 - Present

**Virginia Commonwealth University**  
*Graduate Research Assistant*

**Richmond, VA, USA**  
01/2020 - 07/2024

**Google**  
*Software Engineering Intern*

**Kirkland, WA, USA**  
05/2022 - 08/2022

**Wellbeing Lab, VCU Health**  
*Data Science Intern*

**Richmond, VA, USA**  
07/2023 - 08/2023

**Impel IT Solutions**  
*Software Engineer*

**Dhaka, Bangladesh**  
06/2019 - 11/2019

**AnyConnect Private Limited**  
*Software Engineer*

**Dhaka, Bangladesh**  
03/2018 - 05/2019

**IPVision Canada Inc**  
*Software Engineer*

**Dhaka, Bangladesh**  
08/2016 - 02/2018

## Publications

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### ***“Silent Is Not Actually Silent”: An Investigation of Toxicity on Bug Report Discussion***

- Authors: Imran, M. M., Sarker, J. (2025).
- Proceedings of the ACM International Conference on the Foundations of Software Engineering (FSE).

### **LLPut: Investigating Large Language Models for Bug Report-Based Input Generation**

- Authors: Hasan, A. A., Saha, S. Imran, M. M. & Zaman, T. S. (2025).
- The 1st International Workshop on LLM App Store Analysis (LLMapp 2025).

### **Uncovering the Causes of Emotions in Software Developer Communication Using Zero-shot LLMs**

- Authors: Imran, M. M., Chatterjee, P., & Damevski, K. (2024, April).

- Proceedings of the IEEE/ACM 46th International Conference on Software Engineering (pp. 1-13).

### **Shedding Light on Software Engineering-specific Metaphors and Idioms**

- Authors: Imran, M. M., Chatterjee, P., & Damevski, K. (2024, April).
- Proceedings of the IEEE/ACM 46th International Conference on Software Engineering (pp. 1-13).

### **Emotion Classification In Software Engineering Texts: A Comparative Analysis of Pre-trained Transformers Language Models**

- Author: Imran, M. M. (2024, April).
- Proceedings of the Third ACM/IEEE International Workshop on NL-based Software Engineering (pp. 73-80).

### **Incivility in Open Source Projects: A Comprehensive Annotated Dataset of Locked GitHub Issue**

- Authors: Ehsani, R., Imran, M. M., Zita, R., Damevski, K., & Chatterjee, P. (2024, April).
- 2024 IEEE/ACM 21st International Conference on Mining Software Repositories (MSR) (pp. 515-519). IEEE.

### **Data Augmentation for Improving Emotion Recognition in Software Engineering Communication**

- Authors: Imran, M. M., Jain, Y., Chatterjee, P., & Damevski, K. (2022, October).
- Proceedings of the 37th IEEE/ACM International Conference on Automated Software Engineering. 2022.

### **Using Clarification Questions to Improve Software Developers' Web Search**

- Authors: Imran, M. M., & Damevski, K. (2022).
- Used methodologies: LSTM, CNN, Learning to Rank models.
- Information and Software Technology, 151, 107021.

### **Automatically Selecting Follow-up Questions for Deficient Bug Reports**

- Authors: Imran, M. M., Ciborowska, A., & Damevski, K. (2021, May).
- 2021 IEEE/ACM 18th International Conference on Mining Software Repositories (MSR) (pp. 167-178). IEEE.

## **Professional Service**

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Program Committee Member:

- FSE 2025, AI IDE 2025 track
- EASE 2025, Learnings/Reflections of Evaluation and Assessment projects in Software Engineering-track
- EASE 2025, Short Papers and Emerging Results

## **Courses Taught**

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### **5.1 As Faculty**

- 2025 - CS 4090: SE Capstone I, Missouri S&T
- 2025 - CS 4091: SE Capstone II, Missouri S&T

### **5.2 As Teaching Assistant**

- 2021, 2022 - CMSC 455. Software as a Service, VCU
- 2020, 2021 - CMSC 401. Algorithm Analysis, VCU
- 2020 - CMSC 508. Database Theory, VCU

## Doctoral Students, Thesis Advisor

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- Abdullah Al Mujahid, *in progress, since Spring 2025*

## Masters Students, Committee Member

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- Rasman Muhtasim Swargo, Missouri S&T, *in progress*

## Undergraduate Students, Mentor

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- 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