

Md Asif Haider

Curriculum Vitae

Department of Informatics
University of California, Irvine
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Research Interests

Empirical Software Engineering, Machine Learning, Human Factors in Computing

Education

- 2025–Present **University of California, Irvine, United States**, Ph.D. in Software Engineering.
Advisor: Thomas Zimmermann
- 2019–2024 **Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh**, BSc.
in Computer Science and Engineering.
Thesis: Advancing Automatic Code Review and Refinement Generation Using Large Language Models
Advisor: Anindya Iqbal

Professional Experience

- 2025–Present **University of California, Irvine, United States**.
Graduate Teaching Assistant
Department of Informatics
Donald Bren School of Information and Computer Sciences (ICS)
- 2024–2025 **Brac University, Dhaka, Bangladesh**.
Lecturer (study leave)
Department of Computer Science and Engineering
School of Data and Sciences
- 2023 **OpenRefactory Bangladesh Limited, Dhaka, Bangladesh**.
Software Engineer (internship)
- 2023 **University of Notre Dame, Indiana, United States**.
Undergraduate Research Assistant (remote internship)
Security and Software Engineering (S^2E) Lab

Publications

Conference Papers

- 2025 [C2] Haz Sameen Shahgir, Tanjeem Azwad Zaman, Khondker Salman Sayeed, **Haider, Md Asif**, Sheikh Saifur Rahman Jony, and M Sohel Rahman. Leveraging complementary attention maps in vision transformers for oct image analysis. In *2025 IEEE International Conference on Image Processing (ICIP)*, pages 1378–1383. IEEE, 2025.
- 2023 [C1] Mohammed Latif Siddiq, Abdus Samee, Sk Ruhul Azgor, **Haider, Md Asif**, Shehabul Islam Sawraz, and Joanna CS Santos. Zero-shot prompting for code complexity prediction using github copilot. In *2023 IEEE/ACM 2nd International Workshop on Natural Language-Based Software Engineering (NLBSE)*, pages 56–59. IEEE, 2023.

Journal Articles

- 2021 [J1] Khondoker Nazmoon Nabi, Md Toki Tahmid, Abdur Rafi, Muhammad Ehsanul Kader, and **Haider, Md Asif**. Forecasting covid-19 cases: A comparative analysis between recurrent and convolutional neural networks. *Results in Physics*, volume 24, page 104137. Elsevier, 2021.

Preprints

- 2026 [P2] **Md Asif Haider** and Thomas Zimmermann. Understanding dominant themes in reviewing agentic ai-authored code. *arXiv preprint arXiv:2601.19287*, 2026.
- 2024 [P1] **Md Asif Haider**, Ayesha Binte Mostofa, Sk Sabit Bin Mosaddek, Anindya Iqbal, and Toufique Ahmed. Prompting and fine-tuning large language models for automated code review comment generation. *arXiv preprint arXiv:2411.10129*, 2024.

Teaching Experience

- 2025–Present **Graduate Teaching Assistant**, *University of California, Irvine*.
- Introduction to Software Engineering (IN4MATX 43) – Spring 2026, Fall 2025
 - Programming with Software Libraries (I&C 32) – Winter 2026
- 2024–2025 **Lecturer**, *Brac University*.
- Software Engineering (CSE 470) – Spring 2025, Fall 2024
 - Artificial Intelligence (CSE 422) – Summer 2025, Spring 2025, Fall 2024
 - Discrete Mathematics (CSE 230) – Spring 2025, Fall 2024
 - Computer Graphics (CSE 423) – Summer 2024
 - Algorithms (CSE 221) – Summer 2024

Academic Services

Program Committee

Reviewer Bangla Language Processing (BLP) Workshop at IJCNLP-AAACL: 2025

Organizing Committee

Chair IEEE/ACM ICSE (Schedule): 2026

Co-organizer Deep Learning Sprint 2.0 Kaggle Competition: 2023

Grants and Fellowships

- 2026 **ACM SIGSOFT CAPS Travel Grant**.
ICSE 2026 in Rio De Janeiro, Brazil (\$550)
- NSF SMeW Travel Grant**.
Student Mentoring Workshop, ICSE 2026 in Rio De Janeiro, Brazil (\$1400)
- 2025 **Ph.D. Student Support Fellowship**.
ICS Chair's Award by University of California, Irvine (\$2800)
- 2024 **Amazon Travel Grant**.
Generalisation/Benchmarking in NLP Workshop, EMNLP 2024 in Florida, USA (\$750)
- ACM SIGPLAN Travel Grant**.
Programming Language Mentoring Workshop, PLDI 2024 in Copenhagen, Denmark (\$1000)
- 2023 **RISE-BUET Research Grant**.
Undergraduate Student Thesis Research Grant by BUET (\$800)
- 2022 **ACM SIGHPC Travel Grant**.
HPC Immersion Program, SC 2022 in Texas, USA (\$3000)

Honors and Awards

- 2024 **Runner Up**, BioMed Datathon (Disease Detection from Heart Sound Data) by BME, BUET
Finalist, Deep Learning Enigma (Object Detection for Autonomous Driving) by CSE, SUST
- 2023 **Champion**, HackTheVerse (DevOps Category Software Development Hackathon) by IIT, DU
Champion, Video and Image Processing Cup (Ophthalmic Biomarker Detection) by IEEE SPS
- 2022 **Champion**, CSE Fest (DevOps Category Software Development Hackathon) by CSE, BUET

- Dean's List Award** and University Merit Scholarship for Academic Excellence by BUET
2021 **Best Student Poster**, 8th Networking, Systems and Security Conference (NSysS)
2018 **Talentpool Scholarship** for Outstanding Academic Result in Higher Secondary Level
Honorable Mention for Distinction in Academic and Extracurricular Activities in High School

Skills and Tools

Programming	Python, Java, C/C++, JavaScript, SQL
AI/ML	Pytorch, LLM and VLM Fine-tuning (PEFT: LoRA/QLoRA), RAG, Langchain
Web/Cloud	Flask/Django, AWS (EC2, S3), ReactJS/NextJS, HTML/CSS
Others	Git, Linux, Copilot/Claude Code, L ^A T _E X

Leadership Experience

- 2022–2024 **Vice Chairperson**, *IEEE Computer Society BUET Student Branch Chapter*, Dhaka, Bangladesh.
2020–Present **Coordinator**, *BUET System Analysis Design and Development Community*, Dhaka, Bangladesh.

Miscellaneous

- Languages English (TOEFL iBT: 105/120), Bengali (native)
Interests Traveling, Music, Creative Writing, Theater, Soccer

Reference

Thomas Zimmermann

(Ph.D. Advisor)

Chancellor's Professor and Bren Chair

University of California, Irvine

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