MUNIM HASAN WASI

Undergraduate Senior

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📍 Daejeon, South Korea

EDUCATION

University

Korea Advanced Institute of Science and Technology

📅 August 2021 – Ongoing   📍 Daejeon, South Korea

- Bachelor of Science in Computer Science
- Minor in Economics
- CGPA 3.44 / 4.3

High School

Cumilla Victoria Govt. College

📅 July 2018 – January 2021   📍 Cumilla, Bangladesh

- Science Group (with Higher Mathematics & Statistics)
- GPA 5.0 / 5.0

WORK EXPERIENCE

Undergraduate Research Intern

Software Security Lab - Prof. Sang Kil Cha

📅 June 2024 – Ongoing   📍 Daejeon, South Korea

- Conducting a URP focused on Differential Fuzzing of Lua Interpreters to detect vulnerabilities effectively
- Designed the core fuzzer architecture and developed preliminary testing scripts to evaluate interpreter behaviors

Undergraduate Research Intern

KAIST Cyber-Physical Systems Lab - Prof. Insik Shin

📅 June 2023 – June 2024   📍 Daejeon, South Korea

- Completed a URP on advancing screen similarity analysis using sub-task comparison methods
- Co-authored a paper published in MobiCom 2024 : https://arxiv.org/pdf/2312.03003

Undergraduate Research Intern

KAIST Web Security & Privacy Lab - Prof. Sooel Son

📅 June 2023 – August 2023   📍 Daejeon, South Korea

- Benchmarked WebFuzz, Witcher, Wapiti, and Burp Suite to assess fuzzing versus traditional black-box penetration testing tools
- Conducted tests on 17 real-world and 4 benchmarking websites to compare tool effectiveness and coverage

PUBLICATIONS

👥 Conference Proceedings

- Lee, S., Choi, J., Lee, J., Wasi, M. H., Choi, H., Ko, S. Y., … Shin, I. (2024). MobileGPT: Augmenting LLM with human-like memory for mobile task automation. In *Proceedings of the 30th Annual International Conference on Mobile Computing and Networking (MobiCom '24)*. arXiv: 2312.03003 `[cs.HC]`. Retrieved from https://mobile-gpt.github.io/

ACHIEVEMENTS

🏆 **URP Research Grant**
Won the Undergraduate Research Participation Program research grant 2 times (max allowed) in Spring 2024 and Fall 2024

🏆 **Junction Asia 2022**
Most Curious Team Award

🏆 **KAIST Scholarship**
Full tuition waiver & Monthly stipend for 4 years

🏆 **Asia Pacific Informatics Olympiad 2019**
116th internationally & 2nd nationally with Honorable Mention

🏆 **Bangladesh Olympiad in Informatics 2019**
Silver medalist at national round

🏆 **ACM-ICPC 2018**
Team ranked 16th nationally

PROJECTS & ACTIVITIES

Team Member

CoE202 Physical AI <Self Driving Car>

📅 Sept 2022 – Oct 2022   📍 Daejeon, South Korea

- Built a self-driving car using MODI Kit and Frozen Lake Environment for reinforcement learning as the midterm project of the CoE202 Physical AI Course
- Ranked as the fastest car in the entire class

Developer

JunctionAsia 2022

📅 August 2022   📍 Busan, South Korea

Teaching Assistant

HSS311 International Law and Justice

📅 September 2023 – Ongoing   📍 Daejeon, South Korea

- Managed course logistics, including attendance tracking and distributing course notices
- Co-chaired the Model UN sessions, facilitating student engagement on topics in international law and justice
- Successfully serving as TA for three consecutive semesters, demonstrating strong organizational skills and effective course support

Presidential Candidate & Former Division Head

KAIST International Students Association

📅 July 2022 – Ongoing   📍 Daejeon, South Korea

- Presidential candidate for upcoming 2024 election
- Actively contributed to the internal board to shape KISA's strategy and activities
- Lead a team to maintain and improve the Django-based website of KISA

Student Assistant

KAIST Student Life Team

📅 March 2023 – July 2024   📍 Daejeon, South Korea

- Managed and organized two-wheel vehicle logistics on campus, overseeing bikes, e-bikes, and e-scooters for efficient use and storage
- Coordinated with campus security and facilities to handle abandoned bikes, ensuring campus pathways remained safe and accessible
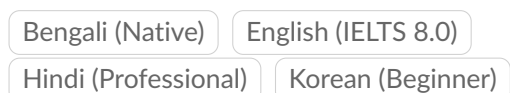
STRENGTHS

C   C++   Python   Java   OCaml   MATLAB
HTML   CSS   Javascript   MySQL   Django
LaTeX   Linux   Git   Bash
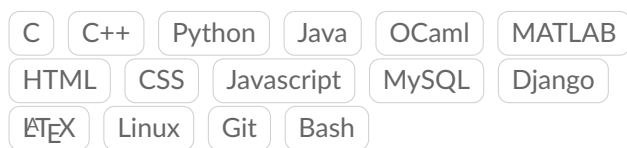
AREAS OF INTEREST

- System Security
- Software Security
- Mobile Computing
- Large Language Models
- Data Science

LANGUAGES

Bengali (Native)   English (IELTS 8.0)
Hindi (Professional)   Korean (Beginner)

- Designed and implemented ZEPademics, an interactive virtual KAIST campus, in under 35 hours and presented it to the judges in the Hackathon
- Awarded as the most-curious team among the 60+ participating teams in the Hackathon

Team Member

CoE202 Physical AI <Wristband Controlled Wheelchair>

📅 Nov 2022 – Dec 2022   📍 Daejeon, South Korea

- Designed a Wheelchair using MODI Kit that can be controlled by a wristband (including remote control functionality)
- Personally handled the coding part

Individual Project

CS361 <Detecting Fake Import Declarations>

📅 March 2023 – June 2023   📍 Daejeon, South Korea

- Achieved 92.33% accuracy in detecting fake import declarations using a dataset provided by Korea Customs Service

President

Boardom

📅 March 2023 – Ongoing   📍 Daejeon, South Korea

- Founding member of KAIST's only English-speaking board games club
- President since Fall 2023

Member

RUN: KAIST Algorithmic Problem Solving Club

📅 March 2022 – Aug 2022   📍 Daejeon, South Korea

- Member of RUN since Spring of 2022 and have been participating in practice contests and competitions

RELEVANT COURSES

- **CoE202 - Basics of AI <Physical AI>**
  Prof. Sungho Jo
- **CS230 - System Programming**
  Prof. Jonse Pak
- **CS348 - Introduction to Information Security**
  Prof. Kihong Heo
- **CS447 - Web Security Attack Laboratory**
  Prof. Sooel Son
- **EE517 - Software Hacking Theory and Practice**
  Prof. Insu Yun
- **IS561 - Binary Code Analysis and Secure Software Systems**
  Prof. Sang Kil Cha
- **EE515 - Security for Emerging Systems**
  Prof. Yongdae Kim