MD MOHAIMINUL ISLAM

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[Portfolio Website](#) | [LinkedIn](#) | [GitHub](#)

Master's Thesis

Enthusiastic Master's student with 2 years of practical experience in software and web development, seeking to contribute to a software/systems engineering internship or master's thesis project. With a strong foundation in software and systems engineering principles, I'm committed to leveraging my academic background and creativity to conduct scientific research.

Education

MS | Computer Science | Paderborn University
Oct 2019 - Present
- Focus area in 'Software Engineering'
- Completed seminar modules in Safety-Critical Embedded Systems Engineering

BSc | Computer Science & Engineering | Ahsanullah University of Science & Technololgy
April 2013 - April 2017
- Worked on several management projects, e-commerce websites and games
- Thesis in Human Computer Interaction (TTS/STT using Java Sphinx)

University Project (Master's)

LOCOMOTION (Local Strategies for 2- and 3-D Formation of Swarm Robots) - Algorithm and Complexity ↗
April 2020 - April 2021
- Developed three algorithms for swarm robots with local visibility
- Implemented with C++ and **eScript**; simulated the result in **PADrend**
- Worked in a team of four

Work Experience

Software Developer - Netzlab GmbH ↗
June 2022 - December 2023
- Designing and developing user-friendly and responsive frontend and cross-platform web app of 3 projects, in different teams
- Testing and debugging according to client requirements. Creating and maintaining documentation for code, processes, and best practices
- Optimizing site performance significantly according to Google Page Speed Insight (PSI)
- Collaborating with DevOps and backend teams to ensure a smooth integration of frontend code into the overall development workflow

Skills

- JavaScript
- Next.js/React
- ASP .NET
- Git
- Latex
- HTML/CSS
- Python
- MatLab

Research Experience

- Participated in several seminars and courses to conduct scientific research on -
  - Embedded systems engineering
  - System security
  - Usable security and privacy
- Reviewed some conference papers on Human Factors in Security & Privacy (Empirical Software Engineering) topic as a part of the module