

Ehsan Ul Haque

Ph.D. Candidate with experience across research, software engineering, and mentorship. Skilled in designing scalable server-side, and database architectures, with expertise in Agile methodologies, full-stack development, and statistical data analysis.

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📍 Storrs, CT

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EXPERIENCE

Graduate Research Assistant

University of Connecticut

08/2019 - Present

Storrs, CT

- **Designed and executed research studies** on user interactions, perceptions, and, security and privacy behaviors, contributing to advancing the field of usable security and privacy.
- **Conducted robust statistical data analyses** using Python, R, and statistical software like SPSS to ensuring data-driven findings.
- **Synthesized findings into research publications**, effectively communicating complex data insights and research outcomes to diverse audiences.

Senior Software Engineer

Enosis Solutions [🔗](#)

07/2017 - 07/2019

Dhaka, Bangladesh

- **Designed and maintained large-scale relational database architectures**, optimizing data integrity and query efficiency. Helped bringing down latency to the relational data-focused high-demand applications.
- **Contributed to scalable, modular software architectures** with a focus on loose code coupling (IoC), ensuring high maintainability, and adaptability across multiple systems.
- **Mentored newly hired software engineers** by offering technical training, code reviews, and guidance on best practices, contributing to a supportive team environment.

Software Engineer

Enosis Solutions [🔗](#)

03/2016 - 06/2017

Dhaka, Bangladesh

- **Executed full-stack development tasks with a focus on scalable server-side API and microservices**, ensuring robust backend functionality and streamlined integration with front-end components.
- **Contributed to scalable and maintainable codebase**, ensuring long-term stability of the project.
- **Assisted increasing software reliability** through comprehensive unit and integration test coverage, helped identifying and resolving issues early in the development lifecycle.

EDUCATION

Ph.D. in Computer Science and Engineering

University of Connecticut

02/2025 (expected)

GPA 4.0

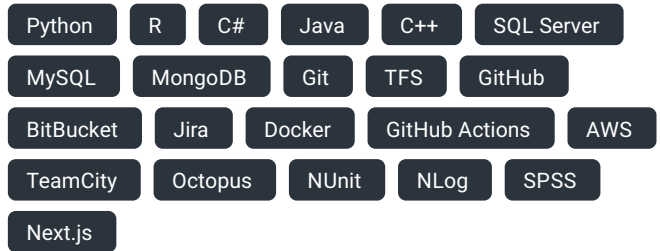
- Usable Security and Privacy
- Human-Computer Interaction

B.Sc. in Computer Science and Engineering

Bangladesh University of Engineering and Technology

03/2016

SKILLS



PROJECTS

Amazon MTurk Requester API Helpers [🔗](#)

- Curated list of helper functions with ability to perform advanced *Requester* tasks programmatically on *Amazon Mechanical Turk* crowdsourcing platform.

C#, .NET SDK, AWS SDK, Closed XML

Tic-Tac-Toe Game [🔗](#)

- This project recreates the iconic Tic-Tac-Toe game, designed for an engaging player experience against a sophisticated AI opponent. The AI opponent leverages the *Minimax with Alpha-beta pruning* algorithm to evaluate optimal moves and anticipate the player's strategy.

C#, Unity 2D

Amazon Product Review Scraping and Parsing Toolkit [🔗](#)

- Python application to scrape amazon product reviews with diverse filtering and keyword searching capabilities.
- Includes two parsers to parse scraped data into structured JSON and CSV formats.

Python, Poetry, Beautiful Soup 4

Smart on FHIR Client Portal [🔗](#)

- The web portal implements client-level access token-based Auth mechanism with EHR vendor (tested with Logical Sandbox) and integrates FHIR specs for *Practitioner, Patient, and Patient Observations*.

Vue.js, Node.js, Docker

3D Render of Mega Structure Taj Mahal [🔗](#)

- This windows app generates a 3D render of *Taj Mahal*, with viewpoint integrations, featuring day and night modes using global ambient light and a diffuse point light moving around the mega structure.

C++, OpenGL

ACHIEVEMENTS

Predoctoral Prize for Research Excellence Award (2024)

Awarded to the outstanding Ph.D. researchers in the department.

Predoctoral Fellowship For Scholarly Accomplishments (2023)

Awarded to doctoral students with promise of continued research achievement.

Best Paper Award at 2023 ACM CHI Conference (2023) [🔗](#)

The award was given to 35 papers from the 879 accepted papers across 3182 complete submissions: ~1% of total submissions.

Synchrony Cybersecurity Graduate Fellowship (2022)

Awarded to the promising cybersecurity researchers in the department.

Dean's List Scholarship (2015)

Awarded to the students performing best in an academic year.