Abdus Samee

Dhaka, Bangladesh

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Research

Zero-shot Prompting for Code Complexity Prediction Using GitHub Copilot
Demonstrated how well GitHub copilot predicts the runtime complexities of programs *(NLBSE'23)*

NoTeeline: Supporting Real-Time, Personalized Notetaking with LLM-Enhanced Micronotes
Developed a novel note-taking tool that enables micro-note taking and expands notes tailored to an individual's writing style *(IUI'25)*

Hybrid Synchronization Approach with Dynamic Weight Allocation for Secure Federated Learning
Achieve better tradeoff between accuracy and training time in federated setup with hybrid synchronization and dynamic weight allocation based on modified gradients *(Undergraduate Thesis)*

Education

Bangladesh University of Engineering and Technology *Dhaka, Bangladesh*
BSc in Computer Science and Engineering *April 2019 - July 2024*
- CGPA: 3.79

Work Experience

Wall Street Docs *Dhaka, Bangladesh*
Junior Software Engineer *July 2024 - Present*
- Working with the Documents team at London to develop structured products and address technical debt

TEA Lab *Boston, USA*
Visiting Student *June 2025 -Dec 2025*
- Working on accessibility issues of blind and low-vision people

S2E Lab *Indiana, USA*
Visiting Undergraduate Research Assistant *Oct 2022 - Feb 2023*
- Assisted in research activities at the lab, including dataset collection, parsing, generating and analyzing results from copilot, etc.

Projects

CodeLytic-Frontend Created a contents' creator-driven educational platform where users can enroll to premium courses, participate in quizzes and track their progress, built on top of React, HTML, JavaScript.

Wonder Hand Gesture-based system using C++, Arduino Uno/Nano, Bluetooth modules, and hardware circuitry, enabling paralyzed individuals to control household appliances and trigger emergency alarms through simple palm gestures, promoting accessibility and independence.

Codeforces Flutter App Built a mobile app leveraging Flutter, Dart, and Codeforces API, allowing users with valid Codeforces credentials to track their coding performance through detailed analytics on solved problems, verdicts, and rating progression.

DX Ball Created an iGraphics-based C++ project inspired by the classic DX-Ball game, featuring custom levels, scoresheet functionality, and introducing innovative gameplay elements during the early stages of my undergraduate studies.

Achievements

2019 **Dean's List**, BUET
2021 **Dean's List**, BUET

Technical Skills

Java, Python, Node, Ts, Git, CPP, MIPS/ARM/NIOS, React/Vue