Shoaib Ahmed

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Google Scholar Profile – [Shoaib Ahmed](#)

Summary

I intend to work in improving public health as well as solving cognitive issues through my computational knowledge. The driving forces behind my curiosity are early disease detection and prevention, finding anomalies, and increasing healthcare efficiency.

Publications

Invariant Scattering Transform for Medical Imaging
https://arxiv.org/abs/2307.04771

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Education

Bachelor of Science in Computer Science and Engineering   **November 2017 - April 2022**

Ahsanullah University of Science and Technology • CGPA 3.081 out of 4.00   Dhaka, Bangladesh

• Achieved highest marks in Data Structure, Algorithms, Database and Software Development Labs

• Thesis Topic : Reportbyte, An Advanced Business Analytics System

Experiences

Software Engineer   **September 2022 - Present**
Cefalo (mail@cefalo.com)   Dhaka, Bangladesh
Key Responsibilities:
• Actively fixed critical production bugs of overseas customers
• Implement features for large data migration system that can handle even 1 million data
• Did R&D on some complex features that improved the client's business
• Worked on adding AI support to the project

Software Engineer   **June 2022 - August 2022**
Enosis Solutions Ltd. (info@enosisbd.com)   Dhaka, Bangladesh
Key Responsibilities:
• Improved performance of Machinery Design Software with complex mathematical calculation
• Refactored some legacy code to much better maintainable code
• Made changes in an automated testing system that shortens the testing time by 15%

Trainer of Competitive Programming   **January 2020 - January 2022**
Ahsanullah University of Science and Technology   Dhaka, Bangladesh
• Taught basic algorithms and data structures to around 50 first and second year students of my university's Computer Science and Engineering department.
• Mentored the students to learn about different online judges and solve programming problems.
• Initiated two live team contests (each consisting of three members) per week to grow a competitive and team-playing mentality.

Educator   **January 2023 - Present**
[Amar iSchool](#)

Achievements and Participations

• Participated in more than 10 national programming contests achieving best rank of 4th place
• Attended 300+ online contests among global participants
• Achieved Expert rank at Codeforcecs
• Got invited to take Google Foobar Challenge, Cleared 4 out of 5 rounds

Involvement

AUST Programming and Informatics Club   **December 2021 - January 2023**
Joint Secretary
• Formed the club to increase programming activity

Skills

Programming: C, C++, Python, C#

ML Libraries: Sci-Kit Learn, Numpy, Pandas, Scipy

DL Libraries: Keras

IDE: Jupyter, Google Colab, Netbeans