

Muntaka Ibanth

Dhaka, Bangladesh

+8801986408168 | muntakaibnath@gmail.com | github.com/ibnathism | linkedin.com/in/ibnathism

Education

Bangladesh University of Engineering and Technology

Dhaka, Bangladesh

Bachelor of Science in Computer Science and Engineering

February, 2017 - May, 2022

- **CGPA:** 3.72/4.00
- **Courses:** Human-Computer Interaction, Software Engineering, Object-Oriented Programming, Data Structures and Algorithms, Basic Graph Theory, Discrete Math, Operating System, Computer Networking, Computer Security, Computer Architecture, Compiler

Viqarunnisa Noon School & College

Dhaka, Bangladesh

Higher Secondary School Certificate

2014 - 2016

GPA: 5.00/5.00

Viqarunnisa Noon School & College

Dhaka, Bangladesh

Secondary Secondary School Certificate

2006 - 2014

GPA: 5.00/5.00

Publication

On Feature Selection Algorithms for an Effective Botnet Detection

Co-Author

UNet '22

- Extracted 15 different flow-based features from the ISCX botnet dataset using Wireshark
- Analyzed the time complexities of the different feature selection heuristics
- Presented a comparative analysis of five feature selection heuristics among which one resulted in around 90% detection rate

Research Experience

Correlation Between Different Physiological Parameters and Menstrual Cycle of Women

Co-Author

September, 2022 - present

- **Supervisor:** Dr. Tanzima Hashem, Professor, CSE, BUET
- Analyzing the different parameters that affects menstrual cycle and formulating the problem

NeuroLandscape

Research Assistant

January, 2020 - June, 2021

- Analyzed the affordable mind monitoring technologies for the article - Affordable Technologies for Evidence Based Studies and Mind Monitoring
- Worked with Bangladesh team on one of their research projects named "Planting Seeds of Empowerment"
- Interviewed and communicated with the women living in slums of Dhaka regarding their economic condition

Teaching Experience

United International University

Dhaka, Bangladesh

Lecturer

June, 2022 - Present

- **Theory Courses:** Discrete Mathematics, Software Engineering
- **Lab Courses:** Advanced Object Oriented Programming
- Designed the Human Computer Interaction theory course
- Worked as the project supervisor of 16 teams including 2 award winning teams in an Intra University Project Show Competition
- Helped students to understand course materials and use those knowledge in real-world projects

Work Experience

Sohopathi

Dhaka, Bangladesh

Software Engineer (Part-time)

February, 2021 - February, 2022

- Maintained the front-end of ed-tech platform Sohopathi
- Worked on the Admin Dashboard project with a team
- Actively participated in the ongoing and future plannings and UX analysis of the company with their operations and design team
- **Technical Skills:** ReactJS, NextJS, Material UI
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

- **Technical Skills:** ReactJS, NextJS, Material UI
- **Soft Skills:** Leadership, Time Management, Communication, Logical Thinking.

Volunteer Experience

Bangladeshi Women in Computer Science and Engineering

President

January, 2021 - May, 2022

- Arranged a contest programming workshop followed by a programming contest on VJudge
- Organized a project showcasing competition and a workshop on software development using Laravel

IEEE Computer Society BUET Student Branch Chapter

Publication Committee Chair

February, 2021 - May, 2021

- Arranged multiple tech talks on Software Development & Research Works
- Organized an online Capture The Flag competition

BUET System Analysis, Design & Development Community

Volunteer

June, 2020 - Present

- Organized and hosted several panels on higher studies in abroad and mental health in higher studies

Notable Projects

Inova Furniture BD

Front-end Developer

- Implemented the frontend of the website of Inova Furniture BD using React and Material UI
- Integrated API using GraphQL and Apollo client
- **Technical Skills:** ReactJS, Material UI, React and GraphQL API Integration using Apollo Client
- **Soft Skills:** Teamwork, Logical Thinking

Bookflix

Front-end Developer

- Developed modern and interactive front-end using React and Material UI
- Developed the core feature: user-preference based infinite scrolling
- **Technical Skills:** ReactJS, Material UI, React and GraphQL API Integration using Apollo Client
- **Soft Skills:** Presentation skills, Teamwork, Logical Thinking

Messaging App

Full-stack Developer

- Developed a desktop messaging app in JavaFx with Group Chat support and Emojis
- **Technical Skills:** JavaFx
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking

Skills

Programming Python, Java, JavaScript, C/C++, SQL**Miscellaneous** Linux, Shell, \LaTeX (Overleaf/R Markdown), Git, GitHub, React, Next.js, Material UI, Figma, Oracle, PostgreSQL**Soft Skills** Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Achievements

2022 **Runners Up**, HerWill Datathon2021 **Runners Up**, Ada Lovelace Datathon2020 **Winner**, Covid-19 Idea Contest by IEEE BUET SB2017 **Talent Pool Scholarship, Merit Position: 1 (Dhaka Board)**, Higher Secondary School Certificate Exam2014 **Talent Pool Scholarship, Merit Position: 66 (Dhaka Board)**, Secondary School Certificate Exam

Languages

English Professional proficiency**Bengali** Native proficiency

References

Dr. A K M Ashikur Rahman

Professor, Department of CSE, BUET

ashikur@cse.buet.ac.bd

Dr. Md. Shamsuzzoha Bayzid

Associate Professor, Department of CSE, BUET

shams.bayzid@gmail.com