

# Mobaswirul Islam

🌐 mobaswir.github.io

🔗 ezmata-101

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## OBJECTIVE

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Driven and passionate Computer Science enthusiast with a strong foundational understanding of the field, eager to continually expand knowledge and expertise and share insights into the evolving world of computer science and technology.

## EXPERIENCE

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- **Lecturer at United International University**  
Department of Computer Science & Engineering *November 2024 - Present*
- **Software Engineer at Samsung R&D Institute Bangladesh**  
**Tizen UI Core:** Development and Maintenance of Native Tizen Apps *June - November 2024*  
– **Technology Used:** Tizen .NET (C#)
- **Internship at Pubali Bank Limited**  
**PI Banking:** An android app for Fund Management. *May - June 2023*  
– Virtual internship with a 6 member team where we built both android app and server.  
– **Technology Used:** Android (Java), .NET Framework, Oracle Database

## RESEARCH EXPERIENCE

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- **Full Duplex MAC Protocol (Ongoing)**  
**Supervisor:** Dr. A.K.M. Ashikur Rahman  
– Developed a parser for ns3 trace files to analyze wireless typologies.  
– Conducted thorough testing on different typologies and assisted in debugging during protocol implementation and design.

## EDUCATION

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- **MSc in Computer Science and Engineering (Ongoing)** *2024-*  
*Bangladesh University of Engineering and Technology, Dhaka*
- **BSc in Computer Science and Engineering** *2019-24*  
*Bangladesh University of Engineering and Technology, Dhaka* *CGPA: 3.77*
- **Higher Secondary School Certificate** *2018*  
*Birshreshtha Noor Mohammad Public College, Dhaka* *GPA: 5.00*

## PROJECTS

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- **ParkedCar**  
*Android Applications for space and vehicle owners to lend and rent free parking space*  
– Used MVVM pattern in Android application and MVC in Server.  
– **Technology Used:** Android (Java), ExpressJS, JavaScript, PostgreSQL
- **Online Judge**  
*A react-based web app to arrange contests, participate in contests and solve problems.*  
– **Technology Used:** ReactJS, ExpressJS, JavaScript, Oracle Database
- **Chess**  
*A multiplayer chess game for desktop.*  
– **Technology Used:** JavaFx GUI, Java Socket Programming, Sqlite Database
- **YAPG - Yet Another Pong Game**  
*A hardware based simple pong game.*  
– **Tools Used:** ATmega32, Ultrasonic SONAR, Vibration Motor, Buzzer, LED Matrix, LCD Display

## SKILLS AND INTERESTS

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**Relevant Coursework:** Programming Languages, Object Oriented Programming, Data Structures & Algorithms, Database, Computer Architecture, Operating System, Computer Networks and Security, Artificial Intelligence, Machine Learning, Software Engineering

**Soft Skills:** Problem Solving, Self-learning, Adaptability

**Languages & Libraries:** C, C++, Java, Python, Javascript, NodeJs, Express, ReactJs

**Databases:** Oracle Database, PostgreSQL, Sqlite