



Yeasir Arefin Tusher

Mobile Application Developer

- August 15, 1996
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Key Skills

Mobile Application Development

Native iOS Development

Cross-Platform Development

Machine Learning

Deep Learning

Natural Language Processing

Computer Vision

Programming Skills

Swift

JavaScript

Dart

Python

About Me

I am an experienced computer engineer with a specialization in mobile app development. My expertise lies in solving complex problems and providing architectural solutions. I prioritize creating intuitive user interfaces and writing clean, reusable, and test-driven code. I'm passionate about innovation and dedicated to delivering impactful results.

Work Experience

Nov 2022 - Present **Software Engineer at BJIT Limited** Dhaka, Bangladesh Full time

Responsibilities:

- Design and build applications for the iOS platform
- Ensure the performance and quality of applications
- Identify and correct bottlenecks and fix bugs
- Worked with international clients to deliver high-quality solutions
- Collaborated effectively with cross-functional teams

Aug 2022 - Oct 2022 **Software Developer at Essential Infotech** Dhaka, Bangladesh Full time

Responsibilities:

- Design algorithms and flowcharts
- Produce clean, efficient code based on specifications
- Integrate software components and third-party programs
- Verify and deploy programs and systems
- Troubleshoot, debug and upgrade existing software
- Gather and evaluate user feedback

Aug 2021 - Feb 2022 **Trainer at Babylon Resources Ltd.** By ICT Division
Skill Development for Mobile Game and Application | Training on Mobile Application Development (Cross Platform- Flutter)

Responsibilities:



- Teaching students with practical examples
- Running the labs grading assignment/project
- Quizzes and assignment scripts
- Provide consultation hours for students
- Help in proctoring final project

2019 - 2021 **Research Assistant**
Dr. Syed Md. Galib, Professor and Chairman, Dept. of CSE, Jashore University of Science and Technology

Responsibilities:

- Collect and analyze data
- Prepare article, reports and presentations
- Manage and response project related email
- Request or acquire equipments or supplies necessary for the project
- Conduct literature review
- Prepare materials for submission to granting agencies and foundations

Languages

-  Bengali
-  English

Frameworks

- UIKit
- MapKit
- Combine
- Vision
- Flutter
- CloudKit
- Foundation
- CoreLocation
- TensorFlow
- Scikit-learn
- React-Native
- OpenCV



Publications

- 2023 **Artificial Intelligence for Parkinson's Disease Diagnosis: A Review**
<http://dx.doi.org/10.1201/9781003251903-9>
- 2023 **PaddyNet: An Organized Dataset of Paddy Leaves for a Smart Fertilizer Recommendation System**
dx.doi.org/10.17632/ksz57tk5vc.2
- 2020 **Nitrogen Fertilizer Recommendation for Paddies through Automating the Leaf Color Chart (LCC)**
<http://dx.doi.org/10.14569/IJACSA.2020.0110891>

Projects

- 2023 **CrickPulse | Cricket Score and Fixtures**
CrickPulse is a real-time cricket score app developed for iOS using native UIKit framework. It provides users with live scores, ball-by-ball commentary, and match statistics,
 - Native iOS development with UIKit framework
 - Cricket API for fetching live score and match data
 - Websockets for real-time data updates
- 2020-2021 **AI-powered automatic fruit sorting robot**
Awarded: ICT Innovation Fund
Using computer vision, the suggested method is able to easily identify, classify and sort fruits that have been ripped.
 - Implemented cutting-edge algorithms for fruit identification, classification, and sorting.
 - Utilized technologies such as Python, TensorFlow, OpenCV, and Raspberry Pi.
 - Gathered and analyzed data to improve the accuracy and efficiency of the sorting process.
 - Presented the project at industry conferences and received positive feedback.
- 2020 **Mood | Social media based on Spotify**
Mood is a social media that allows people to follow, react, sending personal messages, live location sharing, adding songs to mood playlist, story etc. between friends,
 - Design algorithms and flowcharts
 - Clean, efficient code based on specifications
 - Integrate software components and third-party programs
 - Troubleshoot, debug and upgrade existing software
 - <https://www.themoodproject.org/>
- 2019 **Popularity Assessment of Cricket Player's Based on Bengali Text in Social Media by Using Machine Learning**
Developed algorithms for a machine-learning-based sentiment analysis framework to assess the popularity of Bangladesh National Cricket Team players on social media.
 - Built information extraction and text understanding pipelines
 - Used statistical and machine learning techniques
 - Identified sentiment from Bengali unstructured data
 - Coordinate effectively a team of 3 members with skills engineering and design

Languages

 Bengali
 English

Frameworks

UIKit MapKit Combine
Vision Flutter CloudKit
Foundation CoreLocation
TensorFlow Scikit-learn
React-Native OpenCV

Education

2019-Present **M.Sc. in Computer Science and Engineering**
Jashore University of Science and Technology

2015-2019 **B.Sc. in Computer Science and Engineering**
Daffodil International University
CGPA: 3.51/4.00

2014 **Higher Secondary School Certificate (HSC)**
Sungamganj Govt. College, Sunamganj
GPA: 4.10/5.00

2012 **Secondary School Certificate (SSC)**
Govt. Jubilee High School, Sunamganj
GPA: 4.50/5.00

Training and Certifications

2023 **React Native Credential** deeplearning.ai

2023 **Programming Fundamentals in Swift Credential** deeplearning.ai

2022 **Introduction to iOS Mobile Application Development Credential** deeplearning.ai

2021 **Improving Deep Neural Networks: Hyper-parameter Tuning, Regularization and Optimization Credential** deeplearning.ai

2020 **Convolutional Neural Networks in TensorFlow Credential** deeplearning.ai

2020 **Introduction to Flutter Development Using Dart Credential** [London App Brewery](https://londonappbrewery.com)

2020 **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning Credential** deeplearning.ai

Achievements & Awards

2013 **Digital Innovation Fair** [Sunamganj](#)
Occupied first place

Reference

Dr. Syed Md. Galib
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Dept. of Computer Science and Engineering,
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