



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

Yeasir Arefin Tusher Mobile Application Developer

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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

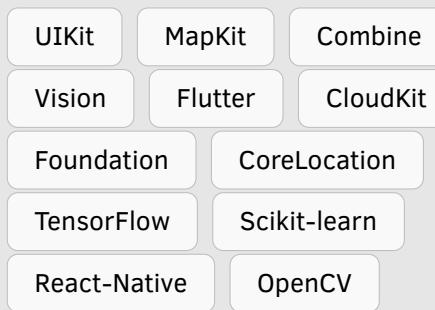
Dart

Python

Languages

 Bengali
 English

Frameworks



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

Achievements & Awards

2013	Digital Innovation Fair Occupied first place	Sunamganj
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Reference

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