**Tanmoy Sarkar Pias**

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Student

Department of Computer Science and Engineering

Bangladesh University of Engineering and Technology

**Research Areas:**

* Machine Learning
* Image processing
* Robotics

**Publication:**

* Accepted paper: Paper No. 94 "Cost Effective Home Assistance Robot Using Custom Designed Augmented Classifiers And Visual Feedback" by Tanmoy Sarkar Pias, ISCS 2018, Japan.

**Work Experience:**

* Internship as software and web developer at U.S based startup software firm. (Move your chains). 2017-2018

**Education:**

* B. Sc. in Computer Science and Engineering,

Bangladesh University of Engineering and Technology.

Graduation: October, 2018 (Expected), CGPA: 3.65/4.00 (Current: L4-T1)

* HSC, Rajshahi College, 2013, Grade: 5.00/5.00
* SSC, Rajshahi Collegiate School, 2011,Grade: 5.00/5.00

**Skills:**

* Programming languages: Java, Kotlin, Android, JSP, Python, C/C++, PHP, JavaScript, Html, CSS , Json, Assembly (80X86)
* Database design and languages: Oracle SQL, SQL, MySQL, SQLite
* Frameworks: Django, Bootstrap
* Mobile App development: Kotlin, Android
* Embedded System: AVR microcontroller, Arduino
* Robotics: Arduino, Raspberry Pi
* Networking: ns2, packet tracer
* OS: Nachos, Linux
* Competitive programming: Codeforces(200+ problems), UVA, Lighoj, URI
* Other: Latex, Moqups, DBSchema

**Volunteer Experience:**

* Volunteer, Quantum Foundation, 2010-PRESENT
* President, Buet Meditation Club, 2017-PRESENT
* Other: Blood donation program, forestation program, burial program, life skill development program, Relief work.

**Projects:**

Java:

JSP:

* Online Exam and Quiz
* Super store management

Python (Django):

* Online Shop

PHP:

* Online Book Store

C/C++:

* Tic Tac Toe

Microcontroller:

* Sensor based game
* Bus seat reservation software
* Inventory Management System
* Enterprise resource planning (ERP) [Small Scale]
* Messenger
* Calculator
* Media Player
* Tetris
* Tic Tac Toe

Android and Kotlin:

* Notes
* Tic Tac Toe
* Brain Trainer
* Quotes
* Calculator
* Age Calculator
* Timer

Github link: <https://github.com/PiasTanmoy?tab=repositories>

Interest:

* Machine Learning and Its Application
* Data Science and Big data analysis
* Computer Vision

**References:**

**Dr. A.K.M. Ashikur Rahman**

**Professor**

Department of Computer Science and Engineering (CSE), BUET

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