

# *Curriculum Vitae*

## *Tonmoy Saha*

*B.Sc. in Computer Science and Engineering, AIUB*



### *Present & Mailing Address:*

*Holding No: TA-117, Link Road, Middle Badda, Dhaka*

*Mobile: +8801700971584*

*Email: [saha.tonmoy1996@gmail.com](mailto:saha.tonmoy1996@gmail.com)*

*GitHub: <https://github.com/tonmoy1996>*

### *Profile:*

*<http://tonmoyprofile.herokuapp.com>*

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### *Vision & Career Objectives:*

To flourish my career as passionate software developer to utilize my knowledge in a well reputed software firm. I would like to work in any challenging environment that offers the opportunity for self-improvement and to prove myself as successful team member and work under little or no supervision. Possess strong ability to develop web application using Python Django, ASP.NET, Node js and React js.

### *Academic Details:*

Degree	Institution	Discipline/ Department	Passing Year	CGPA Obtained
B.Sc. CSE	American International University Bangladesh	Computer Science and Engineering	2018	3.81( out of 4.00)
HSC	Quality Education College	Science	2014	5.00( out of 5.00)
SSC	Azim Uddin High School	Science	2012	4.75( out of 5.00)

### *Work Experience:*

***Intern at Brac IT Services Limited:*** I have completed my intern as an R&D developer in BitS (Brac IT Services). During my intern, I was worked about Optical Character Recognition (OCR) to read character from scanned documents. For extracting text from scanned documents first I need to process the image because maximum pages were noise full so that I had to process the image first then extract text from the documents. At last I had to push all the text into database. During all the process I have used Python, Google OCR (tesseract), imagemagick, Wand. And at last I need to develop a web application to control all the Python script so that the application can run through web.

***Intern at AIUB as Teacher Assistant (TA):*** I have completed my intern as Teacher Assistant at AIUB. My internship was started at May 1, 2018 and ended at July 1, 2018. During my internship I have been assigned as a Teacher Assistant in a WebTech lab and also a Programming Lab (C++). In the lab I need to look after the student's problem during their lab task which has been assigned in the lab. In WebTech lab I have to teach and solve PHP and JavaScript problems. And in C++ lab I require to check and solve C++ problems and explained to students.

***Thesis: Improved Active Learning for ICT courses for High School in Bangladesh.***

This research was aimed to explore the implementation of Information and Communication Technologies (ICTs) at Primary and Secondary education in Bangladesh. Our Aim of the research is to i) how to ensure the best implementation of ICT in the education. ii) How to ensure the best use of ICT tools in the class room. iii) How to help teachers, student, parents and also all the relevant teachers to cope with the system.

***Project Undertaken:***

***PROJECT: 1***

**Title** : Simple Blog application (Developed in Django)

**Description** : This blog was developed in Django where any valid user can share any post and comment on other post as well. Login and signup also developed. For user-friendly post I was used medium editor.

**GitHub Link:** <https://github.com/tonmoy1996/Simple-Blog-Application-using-Django-model-View.git>

***PROJECT: 2***

**Title** : Ecommerce system (Developed in Django)

**Description** : This blog was developed in Django and showcasing products and developing cart system for ordering product. Login and signup also developed.

**GitHub Link:** <https://github.com/tonmoy1996/Django-Ecommerce-System-.git>

***PROJECT: 3***

**Title** : Shield Soft BD ERP System (Developed in C#) (sold)

**Description** : This ERP System was developed by C# and MySQL database and for the dynamic reports Crystal Report was used. This system is a complete management of this Flour Mills. It manages their daily cash book, production (stock), sales (cash sale, Order sale), staff, purchase, collection, product adjustment, party ledger, truck manage etc. This was desktop software and used in three pc viva local server. Cash invoice, collection invoice and all the information is dynamically printed through crystal reports. It is the complete management of any industrial mills.

**GitHub Link:** <https://github.com/tonmoy1996/Mill-management-system-Developed-in-C-.git>

***PROJECT: 4***

**Title** : ICT Learning Software for students (Developed in C#)

*Description* : The purpose of developing this software was intended to learn ICT subjects which in students have get most difficult to learn. This software was developed to learn ICT for class six. It was developed in C#.

*GitHub Link:* <https://github.com/tonmoy1996/Bangla-ICT-learning-using-desktop-application-developed-in-c-.git>

### PROJECT: 5

*Title* : Complete Crud of Employee Management (using asp.net core and jQuery)

*Description* : The Asp.net core starter app of complete employee management app.

*GitHub Link:* <https://github.com/tonmoy1996/Asp.net-Core-Employee-Starter.git>

### PROJECT: 6

*Title* : Algorithm Simulator (Developed in C#)

*Description* : The project was developed in C# core. In this project we were trying to visualize some data structure like stack, queue, some sorting algorithm like bubble, insertion, merge and binary and linear search and also use email verification for accessing the system.

*GitHub Link:* <https://github.com/tonmoy1996/Algorithm-Simulation-Helper-Developed-in-C-.git>

### PROJECT: 7

*Title* : Online Food Cart System (Developed in Both Laravel & Node Js)

*Description* : In this project I have developed an online food order system. This project was built on both Laravel and Node.js. This project was basically an online order system where customers can easily order their preferable dishes which was confirmed through mail.

*GitHub Link:* <https://github.com/tonmoy1996/Online-Food-Ordering-System-in-Node-Js.git>

### PROJECT: 8

*Title* : Varsity Room Booking System for Markup (Developed in PHP)

*Description* : In this project I have been trying to develop an online room booking system to reduce the pressure of our faculty from booking room manually. I have developed this project using core PHP and for good visualization we are using Bootstrap and making user friendly and also use AJAX and MySQL Database.

*GitHub Link:* <https://github.com/tonmoy1996/Class-Room-reservation-Syatem-for-university-makup-class-Developed-in-Php-and-Mysql-.git>

### PROJECT: 9

*Title* : Product Visualize Website (sold)

*Description* : In this project we were developing a website for a company who sells military products to Bangladesh Military. This website was developed through Bootstrap, MySQL. The main purpose of this website is to visualize their products to all. This website is hosted in an online server and domain name is

“silvertouchsourcing.com”.

GitHub Link: <https://github.com/tonmoy1996/Product-Visualize-Website-developed-in-PHP-.git>

### PROJECT: 10

**Title** : Hulu Clone using react.

**Description** : Clone of Hulu online video rendering app.

GitHub Link: <https://github.com/tonmoy1996/video-render-app-hulu-clone-.git>

### PROJECT: 11

**Title** : Airbnb Clone using react.

**Description** : Clone of Airbnb.

GitHub Link: <https://github.com/tonmoy1996/react-airbnb-clone.git>

### Field of Interests:

- Web Application(ASP.NET, Node Js, Django, React Js)
- Making Interactive Website
- Image processing
- Machine Learning
- Database
- Dynamic Reports(Crystal Reports)
- Image processing
- Optical character recognition
- Data mining
- Deep Learning

### Skills & Strength:

- Asp.net MVC, C#, Node.js, React.js, Angular.js, PHP, Laravel, JavaScript, JQuery, AJAX, HTML, Bootstrap, Type Script
- Python, Django, TensorFlow , Keras, Numpy, Pandas, Seaborn, Java, C, C++
- MySQL, SQL, SQLite
- Crystal Report , RDLC
- Software Publication
- Software Requirement
- Software Documentation
- Software testing
- Software design

### Biography:

**Name** : Tonmoy Saha

**Father's Name** : Himansho Kumar Saha

***Mother's Name*** : Shila Rani Saha  
***Date of Birth*** : 21<sup>st</sup> November 1996  
***Place of Birth*** : Durgapur, Netrokona  
***Nationality*** : Bangladeshi  
***Religion*** : Hindu  
***Marital Status*** : Unmarried  
***Gender*** : Male  
***Present Address*** : 165/A, Road NO#12, Tilpapara, Khilgaon, Dhaka  
***Permanent Address*** : Kullagara, Durgapur, Netrokona

**References:**

**VICTOR STANY ROZARIO**

Assistant Professor,  
Department of Computer Science and Engineering  
American International University Bangladesh  
E-mail: [stany@aiub.edu](mailto:stany@aiub.edu)  
Mobile: +8801676517671  
Relation: Academic

**DR. A. F. M. SAIFUDDIN SAIF**

Postdoc  
Department of Computer Science and Engineering  
American International University Bangladesh  
E-mail: [saif@aiub.edu](mailto:saif@aiub.edu)  
Relation: Academic & Thesis Supervisor

**Declaration:**

I hereby declare that the above written particulars are true to the best of my knowledge and belief.



(Tonmoy Saha)