

S. M. Anamul Arefin

Lead Fellow's (Research and Innovation)
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Blood Group: O+(ve)

Sex: Male

Date of birth: 12/05/1991

Nationality: Bangladeshi

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Occupation

(March, 2017 – till now)

FABLAB SAU (Fabrication Laboratory) Under UGC project financed by World Bank.

Lead Fellow's (Research and Innovation)

- Ideation, maintain guide to student's innovation
- Designing and Implemented all innovation from the centre
- Maintain maker network in whole world among the all fablab.io
- Technical catalyst for Field Ready (A Humanitarian Emergency Response Org.) Working with fabrication technology.

(January, 2016 –2017)

Agricultural Communication Officer

mPower Social Enterprises Ltd.

USAID Agriculture Extension Support Activity Project

- Make communication with AIS and DAE.
- Making configurable SMS sending panel software UI and working process. Building a baseline survey form based of Android Technology which is working in the GeoPotato project financed by Netherlands Government.
- Working Geobis project to making crops model for GIS mapping. Working on Moodle for making online learning portal for DeltaCap Project.

(February, 2014 –2015)

Agriculturist as Intern

mPower Social Enterprises Ltd.

USAID Agriculture Extension Support Activity Project

- Look forward to the activity of call centre agent and validating the answers what they did
- Coordinating the Agriculture Content Expert to making 50 crops content repository.

EDUCATION

- (2017 - 2018) **FAB Academy 2018 (Innovation and Maker Graduate Course)**
 Maintain by Fab Foundation
 Operated by Centre for Bits and Atom, MIT, Boston, USA
 Fab Lab Node: **Vigyan Ashram, Pune, India.**
- (2013 –2015) **Master’s in Genetics and Plant Breeding**
 Sher-e-Bangla Agricultural University
 Thesis Title: Cell Compatibility analysis of Pomato (Potato-*Solanum tuberosum* + Tomato-*Solanum lycopersicum* L.) for yield and maturity
- (2009 – 2012) **B. Sc. Ag. (Hons.)**
 Sher-e-Bangla Agricultural University
- (2006-2008) **Higher Secondary Certificate (H. S. C)**
 Govt. Science College
- (2004-2006) **Secondary School Certificate (S.S.C)**
 Motijheel Model High School and College

PERSONAL SKILLS

Mother tongue(s) Other language(s)	Bangla				
	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Competent User	Competent User	Competent User	Competent User	Modest user

- Communication skills**
- Hard working, self-starter, resourceful, creative, solution oriented, efficient in planning, delegating and implementing, always self-managed and professionally organized.
 - Have superior written and verbal communication skills both in English and Bangla and like to take risk taking profitable ventures.

- Computer skills**
- **Microsoft Office Management**
 - **Analysis Software:** SPSS, M-Stat C, Statistics 10, Minitab, JMP, (R and SAS-Learning)
 - **Graphics Designing:** (Photoshop CC, Illustrator CC, Premiere)
 - **ImageJ for Leaf Area Indexing Measurement**
 - **Programming Language:** (HTML5, CSS3, JAVAScrips, PHP, MySQL)
 - **CMS:** (Content Development System) Wordpress, Joomla, Dropal
 - **E-Commerce Development:** (WooCommerce, Vertumart, Meganto)
 - **Search Engine Optimization (SEO)**
 - **Android Apps Development** - Ionic Framework, PhoneGap (Cordova)
 - **ODK based XML form Design. - For Survey Data Collection**
 - **Python** (Learning)
- Electronics**
- **Maker Space Arduino, IoT In Agriculture, AI Intervention in Indoor Agriculture**
 - **Raspberry Pi**
 - **Orange Pi**
 - **Eagle Software for PCB** (Printed Circuit Design)
- 3d Design**
- **Fusion 360 Students Edition**
 - **Sketch up**
 - **Solid works student’s Edition**

- Other skills**
- Landscape Designing
 - Photography
 - Micro-Photography (Cell Division, Insect parts, Plant Diseases symptom)

MORE INFORMATION

- Publications**
- **Evaluation of Compatibility, Growth Characteristics, and Yield of Tomato Grafted on Potato ('Pomato')**
<https://doi.org/10.3390/horticulturae5020037>
 - **Effect of Partially UV-blocking Films on the Growth, Yield, Pigmentation, and Insect Control of Red Amaranth (*Amaranthus tricolor*)**
<http://sciencedomain.org/abstract/11561>
 - **Partially UV-blocking films influence the insect infestation and growth of broccoli and turnip seedlings**
<http://sciencedomain.org/abstract/12315>
 - **Performance of Summer Tomato in Response to Maleic Hydrazide**
(<http://www.ijsrp.org/research-paper-0914/ijsrp-p3398.pdf>)
 - **Effect of Phosphorus And Plant Spacing On The Growth And Yield Of Lettuce**
(<http://www.pscipub.com>)
 - **The growth and leaf yield performance of several coriander varieties as influenced by organic nutrient sources during summer** (*Asian Australas. J. Biosci. Biotechnol.* 2019, 4 (1), 14-23)
 - **ANTIOXIDANT AND ANTHOCYANIN ANALYSIS OF RED LEAF LETTUCE (*Lactuca sativa* L.) GENOTYPES INFLUENCED BY DIFFERENT UV-BLOCKING FILMS**

- Honours and awards**
- **National Science and Technology Fellowship**
Synopsis Title: ANTIOXIDANT AND ANTHOCYANIN ANALYSIS OF RED LEAF LETTUCE (*Lactuca sativa* L.) GENOTYPES INFLUENCED BY DIFFERENT UV-BLOCKING FILMS
 - Fab Academy 2018 (Operated by Fab Foundation in MIT), Pune, India.
 - BlueGold Innovation Award 2017 for TomAlu Innovation
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- Workshop**
- Two days' Workshop on **Flower Propagated Material** in BARI, Gazipur.
 - Attend two days' workshop of Raspberry Pi at KUET, Khulna
 - Attend three days' workshop on 3D design for fabrication and innovation

- Memberships**
- Trainer at SAU Computer Club
 - EX-Secretary of **BADHAN** (A Voluntary Blood Donor Org.) SAU Family.
 - Advisor **BADHAN** (Dhaka City Zone)

Reference **Abul Hasnat M Solaiman**
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&
Fab Lab Director
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