Curriculum Vitae of

Fahim Bin Momen

[Male | 23 years]

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About Me

A skilled communicator, able to maintain cultural sensitivity, an avid reader and tech curious individual seeking opportunities to learn about different field of knowledge.

Education

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH
M.Sc. in *Computer Science*
Specialization: Intelligent Systems
CGPA: 3.79 out of 4

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH
B.Sc. in *Computer Science and Engineering*
CGPA: 3.71 out of 4

Cambrian College
Higher Secondary School Certificate
Science Group
GPA: 5:00 out of 5

Badda Alatunnessa Higher Secondary School
Secondary School Certificate
Science Group
GPA: 4:88 out of 5

Work Experience

Jan 2019 – Continue **Young Technology Professional**
At, a2i-innovate for all

I work as an IT focal for three different portals and in the research area of skills for decent employment to face the challenge of 4th industrial revolution in Bangladesh. These three portals play a vital role for Bangladesh government. The portals are known as Skills portal, Apprenticeship portal and Migration Portal. The infrastructure of Skills portal and apprenticeship portal are already designed & developed by me and more than 1000+ companies and 200000+ users are enrolled here. The main challenges of "The National Skills Portal" is to enroll 23 ministries and 29 departments and also training service provider who are related to skills development are also one of the major work of mine. I am also working closely with different departments of Bangladesh government such as Bureau of Manpower, Employment and Training, Department of Social Services, Department of Youth Development, Department of Cooperative and etc.

Aug 2018 – Dec 2018 **Junior National Consultant (Skills for Decent Employment) (Vendor Management)**
At, a2i-innovate for all

I worked as an IT (information technology) focal person inside the team of Skills for Decent Employment at A2i. Where my main task is to communicate with the ministry and other company to look after their existing platform and rather that I design a holistic platform so that the general people of Bangladesh can have a one-stop platform. In here I am also in charge of look after multiple portals such as skills portal in Bangladesh (skills.gov.bd), Apprenticeship portal (apprenticeship.gov.bd), Department of Youth Development portal (skills.gov.bd/dyd). Moreover, the major responsibility of mine was to design and create a holistic portal for LMIS (Labor Management Information system) and MWMIS (Migration Worker Management Information System). For creating this holistic portal, I created a migration life cycle which is published in the innovation brief of the skills for decent employment. I arranged 22 workshops on different stakeholders such as (ILO, IOM, BMET, BAIRA, BOESL and other relevant stakeholders who are related to labor migration).

Jan 2018 – July 2018 **Data Analyst (Result and Management Team)**
At, Access to Information,

I worked as a Data Analyst and visualizer at A2i. Where my main task is to communicate with the ministry and other company to get the need able data for analyzing and visualizing and do that sequentially. I also support to analyze the SDGs goals in Bangladesh and creating a platform to visualize the whole government data as much understanding as possible. Here I also work in the big data Lab where the main task to communicate with the Dhaka University Teachers who are currently working with Big data and also coordinate meeting with the researchers for data analysis and prediction

insights. I also lead the weekly meeting with the vendor to check progress and provide feedback to the authority and lead the monthly meeting with the vendor to ensure effective communication. Coordinate meetings for receipt of deliverables from the vendors and check the requirements are also one of the responsibilities. I also gather knowledge about different types of portals and their data (Agriculture portals, Skill Portals and So on). And also coordinate the compliance of content of LMIS about Artificial Intelligence and Data Management System. I also collect different types of data from the different system and integrated them with the relational database model in the system in here.

Apr 2017 – Dec 2017 **Teaching Assistant**
At, American International University-Bangladesh.

I Worked as a TA at "Introduction to **Algorithm**", Programming Language 1(using C), Programming 2(Using C++), Data Structure (Using C++) and "Object Oriented Programming-1" (Using **Java**) Courses. My main duty in the class was to help the students to understand and implement the popular Algorithms of Computer Science. And In the courses my main task was to help the student to learn the basic building blocks of C, C++, and Object-Oriented Programming using Java programming language.

Sep 2016 – Mar 2017 **Web Developer (Intern)**
At, Olivine Limited.

This was an internship position. I worked as a Web Developer and Research Assistance. Although the main task of mine is to developing websites with PHP. But on the other hand, I also worked in a project in this period related to a2i (access to information). In the project the main task of mine is to design the architecture of the system and provide a full documentation of that system.

IT & Software Skills

Data Analysis and Visualization Tools:

- **Tableau**
- **Arc GIS**
- **SPSS**
- **Keshif**
- **Python**
- **Power BI**

Programming Languages:

- **C & C++**
- **C#**
- **PHP**
- R
- **Java**
- *JavaScript*
- *python*

Web Technologies:

- **ASP.NET (MVC, Web Form, Entity Framework)**
- **PHP**
- **AJAX**
- **HTML, CSS with Bootstrap**
- **XML**
- **KML**
- *Jquery*

Web Servers:

- *IIS, Apache*

Networking:

- o *Routing protocols: RIP / OSPF / EIGRP*
- o *VLANs / STP*
- o *Cisco routers, switches*
- o *TCP/IP, DNS*

Operating Systems:
- *Windows, Linux (Ubuntu), Android*

Database System:
Microsoft SQL, MySQL, *Oracle SQL*

Version Control:
- *GIT*
- *Team Foundation Server*

Software Skills:
- *Visual Studio*
- *Android Studio*
- *NetBeans, Eclipse*
- *AutoCAD (Basic)*
- *CISCO Packet Tracer*
- *Multisim, PcbExpress*
- *Adobe Photoshop (Basic)*
- *Microsoft Office*

Theoretical Expertise:
- **Algorithm**
- **Computer Vision**
- **Data Structure**

Pre-Professional Experiences

Software Projects:

i. **Online Exam Taking System**

Type: Web Site

Technology Used: PHP, MySql, AJAX

Description: User can arrange Online Exams. And participants can participate in an exam using this app. Also, user can see all kinds of required report using their dashboard. I extensively used AJAX for this app.

ii. **Simple Chat Software along with RSA Encryption:**

Type: Desktop Apps

Technology Used: Java Socket Programming, RSA Encryption

Description: This chat software work using client server paradigm. User can choose the option whether a communication will be encrypted or not. Encryption is possible in one way or both ways at a same time.

iii. **Middle Mediators:**

Type: Web Apps

Technology Used: PHP,Ajax.

• Group Project

Description: In this project our main target was exploring the idea of web scrabbling. So we made a Middle Mediators which can retrieve information from multiple web site and show in single page. Experimentally we worked on www.bikroy.com, www.clickbd.com and www.ekhanei.com, two largest Buy & Sell websites of Bangladesh. User can search a product in our apps and can see the best results from these two websites in a single page. So users don't need to browse each and every website separately. They can also compare the product of different websites.

iv. **Travel Helper:**

Type: Web Site

Technology Used: Asp.Net, MVC, MS SQL Server, Entity Framework

• Group Project

Description: Using this website Traveler can reserve their Hotel and Bus Ticket. Special feature of this website is that registered Bus and Hotel companies will get their own dashboard where they can manage everything related to the selling and renting.

v. **AIUB Club Management System:**

Type: Web App

Technology Used: Asp.Net, Web Form, MS SQL Server, Disconnected Data Access Model

Description: This was a mini software project. Using this apps Club administrator can manage club members and club events. Also, university administration can monitor all the club activities by this app.

Share Your Story:
Type: Web Site
Technology Used: PHP, Html, CSS, Bootstrap, MySql
Description: This is also a mini software project. Using this website user can read, share and like stories.

vii. **Image Viewer Story:**
Type: Web Site
Technology Used: PHP, Html, CSS, Data Crabbing, MySQL

Description: This is also a mini web project. Using this website user can picture and the picture can tell the location capturing device, sun light ratio and all the essential things of that pictures.

Data Visualization

1. DATA visualization of Bangladesh Map based on poverty
2. Data correlation with Ekshop and poverty rate in Bangladesh.
3. Data visualization of garments factories in Gazipur.
4. Data analysis and visualization through different types of action on project plan of a2i.
5. Data analysis of UDC (Union Digital Centre) and visualize the sustainable income state of them.
6. Data visualization of Education relation with poverty.
7. Baseline Study for Hosted community in Bangladesh for UNDP (United Nation Development Program me).

Portfolio

Here is the link of my Portfolio where you can find my visualization so that you can find and

understand my working capacity.

Link: **https://public.tableau.com/profile/fahim69#!/**

Thesis Research

• B.Sc. Thesis is on Doctor's Prescribe Behavior based on their degree and also find the relation of quantity and price of varying on different company on their genetic name of the medicine and also categories the medicine into 2 part one is normal and another is antibiotic and find a magnifying result. IN here we work with 80 lack data sample collected from the pharmacy and Medical institution. And the result we find out is also visualize through R programming and data mine process. So, it is a package of both Data Mining and Visualization.

• M.Sc. Thesis is on Precise Object Detection using R-CNN for Visual Advancement where I worked to establish a framework which help the special child who are blind to give them a chance to lead a normal life. In here I used neural network and natural language processing to capture and visualize the object in front of the special child.

Participation

Participated in a daylong seminar on **"Machine Learning in Health"** in 26 June, 2016 at DGHS. In this seminar, I learned How the world is going forward rapidly based on the machine Learning and how Bangladesh can develop her own system.

Participated in five-day long workshop on **"National Strategy for Development of Education Statistics and Action Plan for Bangladesh"** in 5 June to 9 June, 2018 at BANBEIS. In this workshop, I learned how to create Strategy plan in education for Bangladesh and how to develop it.

Participated in a day long workshop on **"Rapid Prototyping with Goal Oriented Model"** in 28 December, 2016 at AIUB. In this workshop, I learned how to prototype ideas in a short space of time for application development.

Achievement

- Cum Laude Award for Master's Result

Interests

- Music
- Movies
- Petting
- Cricket

Research Interest

- Image Processing
- Data Mining
- Data Visualization
- Bioinformatics

Personal Details

Father's Name: Md.Nurul Momen
Mother's Name: Rokeya Sultana
Date of Birth: 7 July, 1996
Nationality: Bangladeshi
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References

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