ISRAT SAHIRA RAFA

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Special Qualification:

CCNA, HTML5, CSS3, BOOTSTRAP, JAVASCRIPT, MySQL, OOP, Data Analyst.

Employment History:

Total Year of Experience: 1.8 month(s)

1. **Executive IT (June 15, 2019 - Continuing)**

   Dekko ISHO Group
   Company Location: House # 27, Road # 11, Banani Model Town,
   Department: IT

   Duties/Responsibilities:
   - Maintaining front end of the website
   - Assuring quality and responsiveness of company website both for mobile and desktop
   - Testing the quality of in-house ERP system and application
   - Classify bugs and solve with developers
   - Experience working with project management tool Trello and Jira
   - Experience with API tester postman, katalon studio
   - version control of Git, experience with Bitbucket
   - Querying and updating database
   - Knowledge of Linux (Ubuntu)
   - Analyze regular data in Google analytics
   - Providing technical support to the IT sales to work as a team player.

2. **Data Analyst (August 5, 2018 - May 29, 2019)**

   Zaara Fashion Mall Ltd.
   Company Location: Haque plaza, rd-14, house-07, gulshan-1.
   Duties/Responsibilities:
   - Developing statistical reports
   - Maintaining regular data collection
   - Analyzing and managing product quality
   - Delivering monthly report to manager and board of directors

2. **Admission help desk (August 9, 2016 - November 24, 2016)**

   BRAC University
   Company Location: 66, Mohakhali, Dhaka-1212.
   Duties/Responsibilities:
   - Consulting student to resolve their issues for their upcoming future
   - Help to set their goals by listening them
   - Supporting academic and career development activities
   - Providing clear guidance of submitting admission application from and career related materials.

Academic Qualification:

Exam Title	Concentration/Major	Institute	Result	Passing Year	Duration	Achievement
Bachelor of Science (BSc)	Computer Science & Engineering	BRAC University	CGPA:2.96 out of 4	2018	4	Student counselor in BRAC admission registrar, AI based health robot, Volunteered PDF Summer Challenge
HSC	Science	Viqarunnisa Noon collage	CGPA:5 out of 5	2013	2	2nd prize for science fiction wall magazine
SSC	Science	St. Francis Xavier's Girls' High School	CGPA:5 out of 5	2011	10	Private scholarship from Dhaka community.

Training Summary:

Training Title	Institute	Country	Location	Year	Duration
mindfulness and medication	BRAC University	Bangladesh	savar BRAC institute	2015	3 months

Professional Qualification:

Certification	Institute	Location	From	To
CCNA (Cisco Certified Network Associate)	AIUB	Banani	January 11, 2019	August 2, 2019
professional outsourcing and freelancing	CPA IT	Dhanmondi	August 4, 2016	October 18, 2016

Extra-Curricular Activities:

===PROJECTS===

1. FUE COMBATANT: An Arduino Uno based firefighting robot which is implemented with 3 fire sensor to track the direction of fire which is attached with IR (Infrared Receiver). Fire emits remarkable amount of infrared thus IR receiver photodiode detect this as while an Op-Amp to check for change in voltage across the IR Receiver, so that if a fire is detected the output it will give 0V(LOW) and if the is no fire the output pin will be 5V(HIGH).

2. FOOD FOR UNPRIVILLEGED: An android app built in android studio to prevent food wastage. This project

aims to save left over foods in restaurants or weeding halls and provide it to unprivileged people by sharing location through Google Maps Api and Firebase has been used for cloud storage.

3. SAATHYAKATHAN: A health based social robot proposed a system for giving proper nutrition guideline to the people who are not capable enough to get an authentic information about health facts. As a software, robot used Tensor flow Object Detection API (COCO dataset) which capture real time footage of food with the help of OpenCV library and for hardware, cytron motor linked to arduino uno, wiper motor and battery to control motion of through phone. [published in IEEE xplorer, Las Vegas, USA]

4. MEDICAL DATA RECORDING & MANAGEMENT SYSTEM: This paper conducts the basic idea of EMR system and overall overview of the API's and servers. It used HTML, CSS, JSx, Bootstraps, MDL, ReactJS for front end and to create the backend API we used Apollo client to build UI that will fetch data with GraphQl by the framework GraphCool which turns our backend engine to BAAS. Our project is designed to re-present real time data that accurately captures the state of the patient at all times. It allows for an entire patient history to be viewed without the need to track down the patient's previous medical record volume and assists in ensuring data is likely to accurate, appropriate and legible.

===Publication===
A paper "sasthyakthan-A health based social robot" published in IEEE International Conference on Consumer Electronics (ICCE) which was held on Las Vegas, USA 2019.
IEEE xplore digital library link: https://ieeexplore.ieee.org/abstract/document/8661981?fbclid=IwAR1EL1-ZrMwlDwjja9ufaApOB6E18Dzcw-FD0iDGp4p3kfUlGqP2ZpAmd1Y

Reference (s):

	Reference: 01	**Reference: 02**
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