

M Golam Rabbani

RESEARCH INTERESTS: *Human Computer Interaction. Machine Learning, Embedded Systems.*

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EDUCATION

Bachelor of Science in Software Engineering
Daffodil International University at Dhaka

April 2015- December 2018

GPA 3.4

Coursework Projects

Gym Management System

Web Application

<https://github.com/mgorabbani/gym-react-app>

Design, Develop and Deployed the app using SDLC procedure used React JS, Node JS, MongoDB, REST API as programming language and framework

HSA Student

Web Application

<http://higherstudy.club>

Built a web app for students to find possible universities based on their profile who wants to pursue MS/PhD in USA built Frontend with React JS, Backend/API with Node JS & MongoDB.

WORK EXPERIENCE

Pro Bono Consultant – Revvy Co. PA, USA

April 2018 – Present

<http://revvey.com>

- Collaborated with CEO to gather requirements to build app
- Designed & Developed beta version of web app with react & node JS which helps students to find the university matched on their profile.

Full Stack Developer— Upwork, USA

June 2012 – Present

<https://www.upwork.com/freelancers/~013b5da06c66ae030f>

- Designed User Interfaces for websites as well as designed company Logo & other materials.
- Built many websites using WordPress for various category including blog, E-commerce, Business.
- Recovered compromise websites & improved security.
- Configure WHCMS, VPS like Linux servers with SSL & built REST API

Web Designer – Invento Bangladesh

Feb 2016 – Aug 2016

<https://invento.com.bd>

- Built websites for business companies with HTML, CSS, PHP & WordPress
- Collaborated with Lead Designer to improve the Restaurant POS System's User Interface

SIDE PROJECTS

- **Savior - Blood Donating App**
Android Application
 - Did Market research, Requirements gathering & Analysis to check the market value of the app
 - Designed prototype with sketch app and screen flow
- **Medical App**
iOS Application
 - Collaborated with Team member to design part of the app specially Screens which used embedded device to track patient's health condition and connect with doctor with prescriptions
- **University Questions**
Android Application
<https://play.google.com/store/apps/details?id=com.university.question>
 - Designed, developed & released the app in playstore which help students search and uploading previous semester questions to get the idea

RESEARCH EXPERIENCE

- Undergraduate Research
Topic: **Suggest universities based on student's profile using Machine Learning**
July 2018- December 2018
Supervisor: Dr. Md. Asraf Ali, Associate Professor
 - Research on student's previous data collected from various source like Facebook groups & websites to predict possible university names which can make the university searching easier for candidates.

Teaching Experience

Instructor — Digisia Training

Feb 2018 —April 2018

<http://www.digisia.com>

Taught JavaScript & React JS

PROFESSIONAL DEVELOPMENT

- CS50x: Introduction to Computer Science - Harvard University [edX]
- User Interface Design Specialization - University of Minnesota [coursera]
- A Crash Course in Data Science [coursera]
- Intro to TensorFlow [coursera]

VOLUNTEER WORK

- **Bangladesh Innovation Forum**
Youth social services organization
 - Attended seminars related to cloud computing and user experience
- **Higher Study Abroad**
Social community
 - Maintain group such as approve posts and members in their Facebook group with 160k people as a moderator.
 - Organized events in offline various universities

TECHNICAL SKILLS & TOOLS

- User Experience: MVP, Requirements analysis, Product launch strategy, Use case diagram, Persona & Scenario
- Prototyping: Wireframing, Photoshop, Sketch, Adobe XD, HTML/CSS
- Data Science: Data Analysis, Machine Learning, Heuristic Evaluation, TensorFlow, Artificial Intelligence, Chat Bot
- Development: React JS, Node JS, React Native, Linux Server configuration, WordPress, Express, MongoDB, SQL Server, MySQL, Git, GitHub
- Programming Languages: JavaScript, PHP, Java, C, Python
- Embedded Systems: Internet of Things, Arduino, Raspberry Pi

REFERENCE

- Dr. Md. Asraf Ali, (thesis supervisor)
Associate Professor & Chairman, Project/Thesis Committee
Department of Software Engineering
Email: asraf.swe@diu.edu.bd
- Mr. Md. Anwar Hossen
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