

# RIDHWANUL HAQUE

+447731752014 , [rhemon19@gmail.com](mailto:rhemon19@gmail.com)

[LinkedIn](#) (in/rhemon), [Portfolio](#) (rhemon.com), [GitHub](#) (/rhemon)

## EDUCATION

### King's College London - BSc Computer Science with Intelligent Systems

Sept 19 – Jun 22, London

- Expected 1<sup>st</sup> Class (84).
- Modules: Programming Practices (81), Data Structures (96), Software Engineering (78), Practical Experiences.

### Earth House Alternative

Jun 14 – Jun 18, Dhaka

- IAL – A\* in Mathematics, A\* in Chemistry, A in Physics.
- IGCSE – A\* in Math, Pure Math, ICT, Physics & Chemistry, A in Economics & Bengali.

## EXPERIENCES

### KCL Machine Learning – President

Jul 20 – Present, London

- Organized workshops and events virtually by collaborating with some of the largest societies here.
- Led projects related to machine learning for providing hands on experience to students.

### KCL Machine Learning – Tech Associate

Oct 19 – Jul 20, London

- Trained GANS and GPT-2 models & scraped data for cocktail recipes and bot writer using Python.
- Prepared events to teach python and ML for over 50 people.

### Zultan – Full Stack Developer & Co-Founder

Jan 19 – Sept 19, Dhaka

*Zultan connects shops and customers online, giving shops virtual place to increase sales.*

- Developed & deployed Django & React web app on Heroku with the team of 4.
- Compressed image sizes to KB from MB for faster loading from AWS S3 using Python.

### FOSSASIA – Open Source Contributor (Student Member)

Nov 16 – Jan 17, Dhaka

- Improved localization & UI of Open Event's android app by adding Bengali and fixing Tab Layout.
- Awarded finalist in GCI 2016 for completing over 40 significant tasks.

## ACHIEVEMENTS

### Credit Suisse's Global Coding Challenge

Ranked top 20 over 1000 participants in UK.

2019

### Scholastica Inter-school Informatics Olympiad

Achieved 1st place amongst 100s.

2018

### BACS High School Programming Contest

Awarded 5th place regionally in Dhaka over 100s.

2018

### Bangladesh Olympiad in Informatics

Ranked 10th nationally from selected 85 participants.

2018

### Google Code-in

One of the 85 finalists out of over 1300 students.

2016

### International Assessments for Schools

Gold medalist in computer skills as country topper.

2014

## PROJECTS

### Marathon Draw, Group Work

2020

- Built a web based multiplayer Pictionary game where AI guesses using Python and JS with a team of 5.
- Trained a classification model with over 75% accuracy using Keras on a subset of Quickdraw's dataset.

### Automated Flappy Bird, Individual Work

2020

- Implemented Q-learning & Genetic Algorithm using NumPy to train a Pygame bot.
- Both algorithms led to bots that scored over 500 points which is 5 times greater than my average score.

### Aggregate Sieve Analysis, Individual Work

2019

- Reduced the time by almost 1/3 for determining quality factors of sand by creating an android app using Java.
- Visualized the measured sieve weights graphically by drawing logarithmic scaled graphs in the app.

### Spark, Group Work

2018

- Led team of 5 developers to build a crowdfunding platform using Django
- Applied agile project management using GitHub features to reduce conflict and assign tasks evenly amongst us.

**Best Skills:** Python, Django, Web Development, Machine Learning, Deep Learning, Reinforcement Learning, PyTorch

**Intermediate:** Java, JavaScript, React, Git, Android Dev, SQL, Heroku **Beginner:** DevOps, AWS, C/C++, Keras

**Interests:** Education for students with difficulties, E-Learning, Nutrition, Religious Studies