

# AHMEDUR RAHMAN SHOYON

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## EXPERIENCE

### Assistant Programmer

#### Department of Information & Communication Technology

June 2019 – Ongoing

Sylhet, Bangladesh

Ministry of Posts, Telecommunications and Information Technology, Bangladesh.

### Software Engineer

#### Cefalo

December 2017 – June 2019

Dhaka, Bangladesh

I was a consultant to NHST Media Group. Our team was continuously developing and maintaining five publications of this Norwegian media conglomerate. We followed agile methodologies to carry out the tasks in a disciplined manner. Mostly worked with Python (Django, Django REST Framework), JavaScript (React, jQuery) to develop the web applications and various CI/CD tools to automate application deployment process.

### Software Engineer

#### Codalo

October 2016 – November 2017

Dhaka, Bangladesh

Worked on the development of an Education as a Service(EaaS) application. Additionally, I developed real time fingerprint based attendance system with instant messaging service.

### Freelancer

#### Upwork

April 2015 – Present

Dhaka, Bangladesh

Working on a contractual basis. I am involved in web and data driven application development. I have developed custom plugins and data scrappers as per clients' requirements.

## EDUCATION

### MSc in Information Technology

#### Jahangirnagar University, Dhaka, Bangladesh

2015 – 2016(October, 2018)

CGPA-3.67(in the scale of 4.00)

### BSc in Information Technology

#### Jahangirnagar University, Dhaka, Bangladesh

2011 – 2015(March, 2016)

CGPA-3.73(in the scale of 4.00)

### Higher Secondary Certificate

#### Sylhet MC College, Sylhet, Bangladesh

2011

GPA-5.00(in the scale of 5.00)

### Secondary School Certificate

#### Sylhet Govt. Pilot High School, Sylhet, Bangladesh

2009

GPA-5.00(in the scale of 5.00)

## ACHIEVEMENTS



#### IEEE Xtreme 9.0

Achieved 7th position in IEEEExtreme Programming Competition 9.0 out of 2,477 teams.



#### Programming Contest

Achieved 1st position in Intra University Programming Contest (IUPC), 2015.



#### Problem Solving

Solved over 700 problems in UVA, Codeforces & Hackerrank.



#### Community Contribution

Gained 5900+ reputation in Stack Overflow.

## SKILLS

Python  
JavaScript  
PHP  
MySQL  
REST API Design  
HTML & CSS  
Java  
C  
C++  
Git & SVN  
Jira  
Linux  
PostgreSQL  
MongoDB  
AWS



## RESEARCH INTEREST

Cloud Computing

Machine Learning

Natural Language Processing

Data Science

Software Engineering

## LANGUAGE

Bangla  
English



## PUBLICATIONS


- *Ahmedur Rahman Shovon*, Shanto Roy, Tanusree Sharma and Md. Wahiduzzaman, "A RESTful E-Governance Application Framework for People Identity Verification in Cloud", International Conference on Cloud Computing-2018, Seattle, USA.  
ISBN: 978-3-319-94295-7  
Published in: Springer Lecture notes in Computer Science Book Series
- Shanto Roy, *Ahmedur Rahman Shovon* and Md. Whaiduzzaman, "Combined approach of Tokenization and Mining to secure and optimize Big Data in Cloud Storage", IEEE R10 Humanitarian Technology Conference (R10 - HTC) - 2017.  
DOI: 10.1109/R10-HTC.2017.8288912  
Published in: IEEE
- *Ahmedur Rahman Shovon*, Shanto Roy, Arnab Kumar Shil and Tanjila Atik, "GDPR Compliance: Implementation Use Cases for User Data Privacy in News Media Industry", International Conference on Advances in Science, Engineering and Robotics Technology 2019 (ICASERT 2019). (Accepted)

## PROJECTS

**Tradewinds** - TradeWinds is the world's biggest shipping news service, publishing both online news and a printed weekly newspaper, that covers shipping as a global industry. (developer)

 tradewindsnews.com </> Django, React JS, jQuery, MySQL

**Upstream** - The leading global oil, gas and energy news resource. Covering the latest oil and gas news including shale, lng, drilling, exploration and production. (developer)

 upstreamonline.com </> Django, React JS, jQuery, MySQL

**Recharge** - Recharge provides business intelligence for the renewable-energy industries, that matter most to the wind and solar sectors. (developer)

 rechargenews.com </> Django, React JS, jQuery, MySQL

**Easy C** - A real time web and mobile application to learn C programming language. (team leader)

 github.com/arsho/EasyC </> PHP, jQuery, MySQL, Android SDK

**Bangla, AutoLike, CopyUSB** - PyPI(Python Package Index) enlisted Python packages. (creator)

 Bangla, AutoLike, CopyUSB </> Python

**Type Speed** - One minute typing test Facebook app with popular 5000 English words. (creator)

 apps.facebook.com/type\_speed/ </> jQuery, Facebook Graph API, Heroku

**Bangladesh Electronics Olympiad** - A national competition for undergraduate students. (creator)


 eo-bd.org </> PHP, MySQL, jQuery

## CERTIFICATIONS


**The International English Language Testing System(IELTS) - Academic**


 October 31, 2019

 British Council

 Band 7.5(Listening-8.5, Reading-8.5, Writing-6.0, Speaking-7.0)

**Information Technology Passport Examination (ITEE - IP)**

 April 24, 2016

 Bangladesh Computer Council (BCC) governed by IPA, Japan.

 Ranked third in Bangladesh

**Effective Object Oriented Programming**

 March 21, 2018 - May 30, 2018

 Cefalo School (view certificate)

 Passed with distinction


**Front End Development Certification**

 October 22, 2015 - March 10, 2016

 FreeCodeCamp (view certificate)

**Mobile Application Development (Android)**


 November 2, 2015 - January 2, 2016

 BASIS Institute of Technology and Management (BITM)

## ACTIVITIES


**Teaching Assistant - Operating System Lab**

 January, 2015 - December, 2015

 Institute of Information Technology, Jahangirnagar University, Dhaka, Bangladesh


**Research Member**

 January, 2016 - Ongoing

 Mobile Cloud Computing and Big Data Research Group(MCCBD), Institute of Information Technology, Jahangirnagar University, Dhaka, Bangladesh

**Web Master**

 May, 2015 - October, 2016


 IEEE Student Branch, Jahangirnagar University, Dhaka, Bangladesh

## AWARDS

- *National Science and Technology (NST) Fellowship*, Ministry of Science and Technology, Bangladesh (2016 - 2017) for Masters Research
- *University Merit Scholarships* at undergraduate level, 2011 - 2015
- *National Education Board Scholarship* in HSC examination, 2011
- Champion in higher secondary category at Bangladesh Mathematical Olympiad, 2010
- *National Education Board Scholarship* in SSC examination, 2009
- Talent Pool Scholarship in *National Junior Scholarship Examination*, 2007

## PROBLEM SOLVING EXPERIENCE

**UVa Online Judge** - Solved 350+ problems

 ar\_sho </> C, C++, Java, Python


**Hackerrank Python Domain and Security Domain** - Ranked 1st in Hackerrank Python domain and Security domain worldwide

 arsho </> Python, Security

**Codesignal** - Ranked 5th in all time leader board in Bangladesh

 arsho </> Data Structure & Algorithm

**Leetcode** - Solved 150+ problems

 arsho </> C++, Java, Python

**Participations in national programming contests** - IUT National Programming contest - 2012, BUBT National Programming contest - 2012, NSU National Programming contest - 2013, IUT National Programming contest - 2013 etc.

## COMMUNITY CONTRIBUTIONS


**Python Package Author** - Author of *Bangla*, *AutoLike* and *CopyUSB* open source packages which are published in *The Python Package Index(PyPI)*.

 arsho </> Python

**Contribution in Stack Overflow** - Gained 5900+ reputation in Stack Overflow - Where Developers Learn, Share, & Build Careers.

 arsho </> Python, JS, Java, MySQL, DS, PHP

**Contribution in Github** - Contributor and maintainer of several popular open source projects in Github.

 arsho </> Python, JS, MySQL, Java


**Wordpress Plugin Author** - Developed open source plugins for Wordpress with 10k+ installations.

 arsho </> Wordpress, JavaScript, jQuery

## REFEREES

**Dr. Md Whaiduzzaman**

 Associate Professor


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