## PERSONAL INFORMATION

# Hasanul Ferdous

📍 Holding: 16/2, Boyra Central Road, Khulna-9000, Bangladesh

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**Sex** Male**| Date of birth** 10/06/1996 **| Nationality** Bangladeshi

## WORK EXPERIENCE

**14/02/2021-Now**

### Software Associate

**Southtech Limited, Dhaka, Bangladesh**

<u>Project:</u>
- ❖ Ascend Financials- a Microfinance Software

<u>Job Responsibilities:</u>
- ❖ Test server preparation, Database management
- ❖ Release Deployment, Live server management
- ❖ Handling Software Release Management
- ❖ Managing Teams tasks and Project activities

**15/05/2019-14/11/2019**

### Intern Software Engineer

**Samsung R&D Bangladesh**

<u>Job Responsibilities:</u>
- ❖ Managed Release process of Samsung Health and Samsung Galaxy Watch Application
- ❖ Worked in Software Release Build Process and Software Configuration Management
- ❖ Worked in Release Automation Process
- ❖ Automated the Code Analysis Feature in their Internal CI tool
- ❖ Maintenance of internal app-build servers (Linux, Mac and AWS Ec2)

## RESEARCH EXPERIENCE

❖ **Member, Data analyst** Gradient Lab for AI Research (GLAIR)          **(Sep 2017- Dec 2018)**
- ✓ I was a member of a collaborative research initiative named  Gradient Lab for AI Research (GLAIR), to develop research capability & quality, learn research methods and ultimately assist in enriching the knowledge base.

❖ **Undergraduate Research Assistant,** Daffodil International University          **(Sep 2017- Dec 2018)**
- ✓ Collecting data through complex techniques and procedures
- ✓ Interpreting, synthesizing and analyzing data
- ✓ Managing schedules, organizing and reporting on the status of research activities.

## ACADEMIC CREDENTIALS

**01/01/2015 – 02/02/2019**       **BSc. in Computer Science and Engineering**

### Daffodil International University

<u>Major Courses:</u> Object Oriented Programming, Algorithms, Data Structures, Database Management Systems, Electrical Circuits, Microprocessor, Numerical Methods, Bioinformatics, Computer Networks, Compilers, Operating Systems, Artificial Intelligence, Web Engineering, Embedded Systems, Digital Image Processing, Data Mining

**Total Credit: 148**
**CGPA: 3.50 out of 4.00 (80% Marks); Ranked among 10% in the batch.**

## ACADEMIC THESIS

<u>Title:</u> ""Towards an Ensemble Approach to Reducing Search Time for Identification Events in Biometric Template Matching"
Objectives: Reducing the search time for identification events in Electrocardiogram based Biometric Authentication
Link: https://sites.google.com/diu.edu.bd/authenticate-me/home

Responsibilities:
- ✓ Data Collection and Processing more than 50000 data
- ✓ Using K-means algorithm for Clustering
- ✓ Applying different type of algorithms to reduce Search Time

## ACADEMIC PROJECTS

❖ AND logical gate representation using Neural Networks
   Description:    Using Neural Network model to implement AND logical gate
   Technical Specification:    Java
   Role:    Research and Development, Team Leader

❖ Automatic Railway Gate Controller
   Description:    An automatically operating railway gate controller works based on detecting arrival and departure of the train through sensors
   Technical Specification:    Arduino, Sonar Sensor, LDR Sensor, Buzzer
   Role:    Team Leader

❖ Image Viewer App
   Description:    An android application to view images from phone gallery
   Technical Specification:    Java, Android Studio
   Role:    Android Application Developer, Team Leader

❖ Media Player for Windows
   Description:    A multimedia player for windows to play multimedia files with a simple UI
   Technical Specification:    Java
   Role: Java Application Developer, Team Leader

❖ Movie Ticket Booking System
   Description:    An online based movie ticket booking system based on user registration and sign in to avoid hustle in real life
   Technical Specification:    MySQL, PHP, HTML, CSS, XAMPP
   Role:    Database Management, Team Leader

## TECHNICAL SKILLS

❖ Operating System: Mac OS 10.13, 10.14, 10.15; Linux; Windows 07, 08, 10

❖ Programming Language: C, Java, Python, C++, HTML, CSS, PHP, Swift

❖ Framework Knowledge: CodeIgniter

❖ Server Management: Xamp, Wildfly

❖ Database Management: MySQL

❖ Version Control System: Git, GitHub, GitLab

❖ Software: Microsoft Office, Octave, Arduino, Photoshop, Premiere Pro

❖ IDE: NetBeans, Codeblocks, Android Studio, Eclipse, Anaconda

❖ Cloud Server Management: AWS (E2)

❖ Game Engine: Unreal 5.0.3

## LANGUAGE SKILLS

❖ Mother Tongue: Bengali

❖ IELTS: Overall 7.0 (Listening 7.5, Reading 8.0, Writing 6.5, Speaking 6.0)

## CERTIFICATION

❖ Introduction to Data Analytics

   Coursera

   Issued June 2022 · No Expiration Date

   Credential ID: ECBCFZTRQE2K

   URL: https://www.coursera.org/account/accomplishments/certificate/ECBCFZTRQE2K

## CO-CURRICULAR ACTIVITIES

❖ Contributor Writer at Prothom Alo, a national daily in Bangladesh                    (Jul 2017 – Present)

❖ Coordinator, Kishor Alo Film and Photography Club                    (Jan 2020 – Present)

❖ Best volunteer of 2017, 2018 in Web Management at Kishor Alo, a teen magazine in Bangladesh

❖ Placed 4th in Divisional round & Participated in National round of Astronomy Olympiad-2012