



## Education

### Ahsanullah University of Science and Technology

Dhaka, Bangladesh

B.SC. IN COMPUTER SCIENCE AND ENGINEERING

2017 - 2022

- Thesis: Devising or generating ceramic tiles designs using Generative Adversarial Networks (WGAN-GP).
- CGPA: 3.507 out of 4.0
- Current Status: Passed

### Udayan Higher School and College

Dhaka, Bangladesh

HSC

2016

- GPA: 5.0 out of 5.0
- Discipline: Science

### Udayan Higher School and College

Dhaka, Bangladesh

SSC

2014

- GPA: 5.0 out of 5.0
- Discipline: Science

## Work Experience

### Software Engineer at Imple Vista | August, 2022 - May 2024 | 1Y 10M

#### PROJECTS

- **iQuidi Mini-ERP | ASP.NET WebApi - Entity Framework - LinQ - MSSQL - Angular**
  - It is a business financial solution for small and medium companies.
  - Utilized dependency injections and resolved issues like circular dependency.
  - Used Factory, Builder pattern to build objects faster for many common scenarios to further speeding up the development and testing.
  - Optimized UI and Backend to show large quantities of data from database without lag or delay.
  - Utilized modular based project structure to accomplish lazy loading reducing loading time. Reused UI Components to accomplish "DRY".
  - Established a Test-Driven Development (TDD) environment using XUnit, significantly reducing bugs with faster development.
  - Deployed the project using Azure CI/CD, utilizing features like pipeline management for development, staging, and production branches.
  - Actively was involved during database design and client's requirement analysis
  - Reduced project code complexity by applying clean code concepts making the code base easier to understand.
  - Developed a document management feature, for a renowned telecommunications company in Bangladesh.
  - Designed and implemented an inventory management system for invoices and bills from scratch.
- **CCULB Banking Software | ASP.NET WebApi - ADO.NET - MSSQL - Angular**
  - Contributed for 4-5 months, focusing on fixing critical bugs and deadlocks during multiple concurrent transactions.
  - Quickly fixed client's issues from multiple branches, Crystal reports was used for reporting accounting details
  - Resolved issues in complex queries including views, stored procedures, and nested sub-queries to address transaction mismatches.
  - Created PowerShell scripts for database migration and backup, streamlining deployment across client branches.
  - Developed Selenium automation scripts in Python to assist QA engineers and guided them in script development.

### Software Engineer at Teralily | November, 2024 - Current | Flexible Remote Job

#### PROJECTS

- **Online Document Manager | Android Kotlin - ASP.NET WebApi - Entity Framework - MSSQL**
  - Similar to Google Drive but an app.
  - Android app in Kotlin with ASP.NET WebApi as backend.
  - Using Retrofit for API calls, using adb shell to achieve custom operations.

# Professional Vendor Certificates

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## RedHat Linux Certified System Administrator

RHCSA

- Certificate Verification Number: 240-160-622
- Current Status: Passed and Certified

Expiry Date

September, 2024 - 2027

# Other Work Related Experience

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## Other skills and experiences

OTHER EXTRAS

- **Linux Session:** I gave a Linux class in my company, I completed a course in **RHCSA (Red Hat Certified System Administrator)** and my manager requested me to give a lecture on the topic.
- **Clean Code Session:** I provided clean code instructions to new engineers by reading and following the book **"Clean Code"** by Robert Cecil Martin
- **Teaching Juniors:** Trained and helped the new comers, and was acknowledged as a great teacher.
- **Being Empathetic:** I have read the book **"How to Win Friends and Influence People"** by Dale Carnegie which made me become more empathetic towards others.

# Personal Projects

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## Software Development

PROJECTS

- Farming Expert Consultation web application made with (C# MVC ASP.NET Core, Entity Framework)
- Blood Donation System desktop application (JavaFX)
- Plane fighting game using iGraphics (C++)
- Rain reminder Android App (Java, OpenWeather Api)
- Nearby Bluetooth Devices Android App using (Java)

## Artificial Intelligence

PROJECTS

- Real time Hand-Sign classifier (Convolutional Neural Network, Keras, Python)
- Bengali to English translator (Transformer, tensorflow, python)
- Generating images of handwritten letters, art designs(Generative Adversarial Network, pytorch, python)
- Text emotion detector (Natural Language Processing, Python, Tensorflow)
- Malware detector (Pytorch, Python)

## Robotics

PROJECTS

- Line following robot (Arduino, C++)

# Problem Solving Profile

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## Online Judges

PROFILE LINKS (IN TOTAL SOLVED 300-400+ PROBLEMS)

- <https://www.hackerrank.com/labib444>
- <https://leetcode.com/Labib444/>
- <https://uhunt.onlinejudge.org/id/944621>
- <https://www.beecrowd.com.br/judge/en/profile/166287>

# Participation & Achievements

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(CLICK TO VERIFY) [HTTPS://GITHUB.COM/LABIB444/PARTICIPATIONSANDACHIEVEMENTS](https://github.com/Labib444/ParticipationsAndAchievements)

- 2021 **1st Place**, Intra University Data Science Competition hosted by Data Throne
- 2020 **Participated**, Intra University Competitive Programming Contest
- 2019 **Participated**, Intra University Robotics Competition hosted by MindSparks
- 2019 **Participated**, Intra University Software Showcasing hosted by MindSparks
- 2018 **Participated**, Intra University Competitive Programming Contest hosted by CodeWars
- 2018 **2nd Place**, Five man team gaming competition(dota2)