

# MD FARHADUL ISLAM

**Phone:**

+8801918051324

**Email:**

[farhadulfuad324@gmail.com](mailto:farhadulfuad324@gmail.com)

**GitHub:**

<https://github.com/farhad324>

## Skill Highlights

- Data Management, Processing, Visualization
- Computer Vision
- Neural Networks
- Robotics
- Steganography
- Machine Learning
- Problem Solving, Algorithm Analysis
- Dedication, Team Work
- Web Scraping
- Human Pose Estimation

## Projects (Projects are available on the github repositories) \*\*

- **Auto Chloro (A Plant Disease Classifier & Remedies Provider)** (Python)
- **AirDraw n' Match (Webcam Paint + Digit recognition)** (Python)
- **Linear Regression Simulation with OpenCV and Matplotlib** (Python)
- **Ball Dribbling (Basic Interactive AR Application) with Mediapipe and Pymunk** (Python)
- **Double Linked List Visualization** (Python)
- **Selection Sort Visualization** (Python)
- **NESARC Data Analysis – Depression Causes Health Problems** (Python)
- **Projectile Motion Visualization (2D) with Matplotlib** (Python)
- **S&P Case Study – Financial Data Analysis** (Python)
- **Caesar Cipher Application** (Java)
- **A.T.O.M.E.R – A Simple Mars Rover Clone** (Arduino)
- **DataCamp Projects** (Analyzing TV Data, History of Lego, Generating Keywords for Google Ads) (Python)

## Education

Bachelor of Science: **Computer Science & Engineering** (September 2019 – Present)

CGPA: **3.91**, Credits Completed: 57

**Brac University**

## Programming Skills

Programming Languages & Others	Libraries and Frameworks
<ul style="list-style-type: none"><li>• Python, Java, Arduino (C++)</li><li>• LaTeX</li><li>• SQL</li><li>• HTML</li></ul>	<ul style="list-style-type: none"><li>• Python: NumPy, Pandas, Sci-kit Learn, OpenCV, Tensorflow, Pymunk, Mediapipe, Beautiful Soup, Tkinter, Matplotlib, Flask</li></ul>

## Experience

- **Machine Learning Engineer** (Part Time) (September 2020 – Present)  
Ronin Technologies
  - Currently working on projects called “Air-Wire” and House Rental Prediction
  - Technologies Used: Keras, Tensorflow, Tensorflow Lite, OpenCV, Beautiful Soup
- **Research Assistant** (Part Time) (March 2021 – Present)  
Brac University
  - Currently working under the supervision of Jannatun Noor ma’am
  - Current Topic: Human Pose Estimation (ML, DL)
- **Instructor of Basics of Robotics** (February 2021 – Present)  
ROBU – Robotics Club of Brac University ([https://youtube.com/playlist?list=PLojmVbOs39UNxvtYl\\_NwBWzw10\\_WUADRD](https://youtube.com/playlist?list=PLojmVbOs39UNxvtYl_NwBWzw10_WUADRD))
- **Content Creator** (Python Coding Tutorials, Project Showcasing)  
Youtube – Farhadul Fuad (<https://www.youtube.com/watch?v=YZcbYeWk8w&t=426s>)

## Online Courses - Certifications

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*In total 60+ Online Course Certifications* (<https://github.com/farhad324/My-eCertificates>)

Notable Courses/Certifications:

- **DeepLearning.AI TensorFlow Developer** [Coursera Professional Certificate]  
<https://www.coursera.org/account/accomplishments/professional-cert/BE8KDN2FR4QY>
- **Machine Learning Fundamentals with Python Track** [DataCamp Skill Track]  
<https://www.datacamp.com/statement-of-accomplishment/track/bb70012683b41eb4817716939e08c2a4bb06f6a6>
- **Python and Statistics for Financial Analysis**  
<https://www.coursera.org/account/accomplishments/verify/3RVU3REKU3GG>
- **Python for Genomic Data Science**  
<https://www.coursera.org/account/accomplishments/verify/TUUES8SFMSZ8>
- **Data Management & Visualization**  
<https://www.coursera.org/account/accomplishments/verify/GE49ZTUGFE5B>
- **Data Collection & Processing with Python**  
<https://www.coursera.org/account/accomplishments/verify/MS6CA7F8MRPR>
- **Machine Learning Algorithms: Supervised Learning Tip to Tail**  
<https://www.coursera.org/account/accomplishments/certificate/NEHR6DMU6A5Q>
- **Structuring Machine Learning Projects**  
<https://coursera.org/share/53470ae7a27868a819afaa5d67361740>
- **Data Science Math Skills**  
<https://www.coursera.org/account/accomplishments/certificate/Q4ZL48Q4MJFH>
- **Python Programming Beyond the Basics & Intermediate Training**  
<https://www.udemy.com/certificate/UC-3684ebaf-e8f5-4e44-bb26-d289596c6858/>

## Clubs

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- **Senior Executive, ROBU (Research & Project Management)** – Robotics Club of Brac University.  
(October 2019 – Present)
  - Best Performance as a member of RPM department – JoyJatra TechFest'50
  - Instructor of Basics of Robotics ([https://youtube.com/playlist?list=PLoimVbOs39UNxvtYI\\_NwBWzw10\\_WUADRD](https://youtube.com/playlist?list=PLoimVbOs39UNxvtYI_NwBWzw10_WUADRD))
- **Senior Executive, BUCC (Finance)** – Brac University Computer Club.  
(October 2019 – January 2021)
- **Former Senior Executive Vice President, JEEC** – Josephite Eco Earth Club
  - Best Contributor, Green Apple Day 2018
  - Lead Editorial Member, "Green Fighter '18" (1<sup>st</sup> Annual Magazine of the Club)
  - Acting President from October 2018 to January 2019

## Achievements

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- 3<sup>rd</sup> Position – Project Tech Tussle, IEEE Computer Society BRACU Student Branch, Brac University.  
Project: Auto Chloro
- Winner – "Skill Showcasing" (Project), Radix - BUCC Week (Summer '20), Brac University.  
Project: AirDraw n' Match
- 9<sup>th</sup> Position – Idea Contest, MindExperia, Bangladesh University of Professionals.
- 2<sup>nd</sup> Position – Eco Project, STEM Enhanced Nature Festival, Notre Dame College.
- 1<sup>st</sup> Position – Aero Genius, BAF Shaheen College Dhaka.
- 1<sup>st</sup> Position – IT Project, Technovation '17, St. Joseph Higher Secondary School.
- 3<sup>rd</sup> Position – Science Project, 62<sup>nd</sup> Scintilla Science Festival, St. Joseph Higher Secondary School.
- 2<sup>nd</sup> Position – Non-Mechanical Project, 1<sup>st</sup> National Science Fair, BAF Shaheen College Dhaka.