MD FARHADUL ISLAM

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Skill Highlights

- Data Management, Processing, Visualization
- Image Processing
- Neural Networks
- Arduino - Robotics
- Machine Learning
- Problem Solving, Algorithm Analysis
- Dedicatation, Team Work
- Web Scraping

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)
- **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)

Education

Bachelor of Science: **Computer Science & Engineering** (September 2019 – Present)
CGPA: 3.89, Credits Completed: 45
Brac University

Programming Skills

Programming Languages & Others	Libraries and Frameworks
- Python, Java, Arduino (C++) - LaTex - SQL - HTML	Python: NumPy, Pandas, Sci-kit Learn, OpenCV, Tensorflow, Beautiful Soup, Tkinter, Matplotlib

Experience

- **Machine Learning Engineer** (Part Time)
  Ronin Technologies (A startup founded by some enthusiastic undergraduates)
  - Currently working on a project called "Air-Wire"
- **Instructor of Basics of Robotics**
  ROBU – Robotics Club of Brac University
- **Content Creator (Python Coding Tutorials, Project Showcasing)**
  Youtube – Farhadul Fuad (https://www.youtube.com/watch?v=_YZcbYeWk8w&t=426s)

Courses / Certifications

In total 50+ Online Course Certifications

Notable Courses/Certifications:

- Natural Language Processing in Tensorflow
  https://www.coursera.org/account/accomplishments/verify/ZDWSV9SDWGC9
- Convolutional Neural Networks in Tensorflow
  https://www.coursera.org/account/accomplishments/verify/CSQH5CBUT3VV
- 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
- Python Data Science Toolbox 1 & 2
  https://www.datacamp.com/statement-of-accomplishment/course/2bab26840abdec7694750b8dbbee7337602d8e58
- 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

Clubs

- **Senior Executive, ROBU (Research & Project Management)** – Robotics Club of Brac University.
  (October 2019 – Present)
- **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" (1st Annual Magazine of the Club)
  - Acting President from October 2018 to January 2019

Achievements

- 3rd 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
- 9th Position – Idea Contest, MindExperia, Bangladesh University of Professionals.
- 2nd Position – Eco Project, STEM Enhanced Nature Festival, Notre Dame College.
- 1st Position – Aero Genius, BAF Shaheen College Dhaka.
- 1st Position – IT Project, Technovation '17, St. Joseph Higher Secondary School.
- 3rd Position – Science Project, 62nd Scintilla Science Festival, St. Joseph Higher Secondary School.
- 2nd Position – Non-Mechanical Project, 1st National Science Fair, BAF Shaheen College Dhaka.