ASIF AHMED NELOY

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CAREER INTERESTS

Seeking a position in Algorithms, Data Structure, Data Science, Data Analysis and Robotics where extensive experience will be further developed and utilized. Extensive experience to the credit. Skilled in machine learning, statistics, problem-solving, business analysis, algorithms, data visualization, and creative thinking. Commitment to providing support and essential information about trends to companies in a variety of industries.

RESEARCH INTERESTS

Artificial Intelligence - *Machine Learning, Computer Vision, Data Science;* *Robotics*

EDUCATION

- North South University, Dhaka, Bangladesh
  Bachelor of Science in Computer Science and Engineering, December 2018
  CGPA: 3.3/4.00 (89% Marks)
  Specialized Trail – Artificial Intelligence
  Thesis: *Early Health Prediction System for ICU Patient using Machine Learning and Cloud Computing.*

- Ananda Mohan College, Mymensingh, Bangladesh
  Higher Secondary School Certificate (HSC), July 2014
  Group - Science
  GPA: 5.00/5.00

- Mymensingh Zilla School, Mymensingh, Bangladesh
  Secondary School Certificate(SSC), March 2012
  Group - Science
  GPA: 5.00/5.00

SKILLS & ABILITIES

Proficient - C, C++, Python, Data Analysis, Git, Project Management, Robotics
Familiar with - PHP, JS, SQL, Julia, HTML, CSS, MATLAB, PyCharm, ROS
Data Science Tools - Tableau, Pandas, NumPy, Seaborn, Scikit-learn.
Platforms - IBM Cloud, IBM Watson Studio, Jupyter Notebook

EXPERIENCE

- North South University, Dhaka, Bangladesh
  Laboratory Officer, May 2019 - Present
  Department of Electrical and Computer Engineering (ECE)

  ➢ Responsible for conducting the lab classes of the enrolled students. Lab Coursework includes implementing algorithms and theoretical concepts with respective programming languages as deemed necessary by the course curriculum.
  ➢ Currently enrolled in the Lab course of-
     CSE 231 Digital Logic design,
     CSE 332 Computer Organization and Architecture,
     CSE482 Internet and Web Technology.

- North South University, Dhaka, Bangladesh
  Undergraduate Teaching Assistant (UGA), January 2019 – May 2019
  Department of Electrical and Computer Engineering (ECE)

  ➢ Assisting in scripts checking, Cross-Checking data of the students and grading both the take-home and in-class assignments.
  ➢ Proctoring exams, helping students on a particular subject and Assisting Faculty in the course **CSE331 (MICROPROCESSOR INTERFACING & EMBEDDED SYSTEM)**.
  ➢ Supervised by **Dr. Sakhawat Hussain**, Associate Professor, and **Rishad Arfin**, Lecturer, Dept of Electrical and Computer Engineering (ECE) of North South University.

- Desire Glance Youth, Dhaka, Bangladesh
  Head of Robotics and Data Science, August 2017 — January 2019

  ➢ Desire Glance Creative Academy is a concern program of Desire Glance Group. The aim of this academy is to creative tech enthusiast people from the very early stage of school and college and Endorse knowledge about different sectors of the tech world.
  ➢ Under my supervision, several projects launched, successfully developing and overseeing project budgets, schedules, staffing requirements, and SDLC tasks to comprehensively manage all facets of implementation and execution throughout my tenure as an HoD with GoTime Client Services.

- ➢ Prepared Five-year Strategic Plan and Business plan for **"National Space Carnival"** and "**Bangladesh General Knowledge Olympiad"**
- ➢ I have also worked as a mentor and Trainer of Robotics and data analysis section of Desire Glance Group.

- NSU ACM Student Chapter, Dhaka, Bangladesh
  Founding Secretary (January 2017 —November 2017) & **Vice Chair** (November 2017 — December 2018)

  - ➢ Founding Secretary of NSU ACM Student Chapter which is the first chartered Student Chapter in Bangladesh, the world's largest educational and scientific computing society.
  - ➢ As a Secretary and Vice-Chair, I have managed all the administrative workflows and workshop during the fiscal year 2017-2018. **Also received Recognition of Service Award from ACM NY HQ.**
  - ➢ Certified Trainer of NSU ACM Student Chapter from February 2017 to 2019.
  - ➢ Undertook workshops on Machine Learning, Basic Robotics, PCB Design and Robot Operating System (ROS).

ACADEMIC HONORS AND AWARDS
- Certified Mentor of Robotics and Machine learning.
- 1st Runner Up for the final year Capstone Project, Capstone Innovation Challenge, Season 6, 2018.
- Runner up - IEEE day Hackathon 2017.
- Junior Board Scholarship – Class 8.

PROFESSIONAL ACTIVITIES
- IEEE Membership No: 94560705
- Association for Computing Machinery (ACM): 9654439

ENGLISH PROFICIENCY
- IELTS – 6.5

PUBLICATIONS *(1 Journal, 1 Book Chapter, 4 Peer-Reviewed Conference Papers)*

JOURNALS

1. **Asif Ahmed Neloy**, Aziz, Arman, Mohammad Samiul Islam, Tamanna Motahar (2018). *Automated Mobile Robot with RFID Scanner and Self Obstacle Avoiding System*. **International Journal of Pure and Applied Mathematics, 118(18), 3139-3150.**

BOOK CHAPTERS

1. **Asif Ahmed Neloy,** Muhammad Shafayat Oshman, Zunayeed Bin Zahir. Content-Based Health Recommender System for ICU Patient using Machine Learning and IBM Cloud as PaaS. **Accepted for publication: The 13th Multi-Disciplinary**

International Conference on Artificial Intelligence 2019. Kuala Lumpur, Malaysia.

CONFERENCE PAPERS

1. **Asif Ahmed Neloy,** H M Sadman Haque, Md. Mahmud Ul Islam (2019, February). *Ensemble Learning Based Rental Apartment Price Prediction Model by Categorical Features Factoring.* **In Proceedings of the 2019 11th International Conference on Machine Learning and Computing (pp. 350-356). ACM.**

2. Rafia Alif Bindu, Sazid Alam, **Asif Ahmed Neloy** (2019, March). *A Cost-Efficient Multipurpose Service Robot using Raspberry Pi and 6 DOF Robotic Arm.* **In Proceedings of the 2019 2nd International Conference on Service Robotics Technologies (pp. 16-22). ACM.**

3. **Asif Ahmed Neloy**, Sazid Alam, Rafia Alif Bindu, Nusrat Jahan Moni (2019, April). *Machine Learning based Health Prediction System using IBM Cloud as PaaS.* **Accepted for publication: 3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019) India.**

4. Rafia Alif Bindu, **Asif Ahmed Neloy**, Sazid Alam, Nusrat Jahan Moni, Dr. Shahnewaz Siddique (2019, August). *Sigma-3: Integration and Analysis of a 6 DOF Robotic Arm Configuration in a Rescue Robot.* Accepted for publication: **2019 4th International Conference on Robotics and Automation Engineering (ICRAE 2019), Singapore.**

BOOKS

Author of a Book Titled – "**এসো রোবট বানাই**", প্রকাশনা - পিনাকল মিডিয়া, প্রকাশকাল - নভেম্বর ২০১৭, ISBN 978-984-34-3061-8.

ADDITIONAL RESOURCES
- Google Scholar – http://bit.ly/2Uab0wq
- Github – http://bit.ly/2Zs1A0t
- URI Online Judge - http://bit.ly/2MG0mwH

REFERENCES

1. Md. Shazzad Hosain, Ph.D.
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2. Zunayeed Bin Zahir
   Lecturer
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