**Eftakhar Ahmed Arnob**

 https://arnob.dev

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* [GitHub: arnabxero](https://github.com/arnabxero)

 [LinkedIn: arnab-xero](https://www.linkedin.com/in/arnab-xero/)

Text, icon

Description automatically generated+880 1926 496967

**Languages**: English, Bengali

**CGPA**: 3.44 out of 4.00

**IELTS**: Overall Band 7

**Objective**: Dedicated researcher & computer programmer, committed to advancing Artificial Intelligence, Machine Learning, Computer Security, and Robotics. Eager to contribute expertise to pioneering research in these fields.

**Skills:**

***Technologies***

MERN Stack | React | Next JS  PHP | Android Studio | QuickJS  HTML5 | SASS



***Programming Languages***

Python | Java | Kotlin  JavaScript | Arduino | C | C++



***Databases***

MongoDB | MySQL



***Others***

Machine Learning | Robotics  Git | IoT



**Experience:**

1. **Software Engineer**

[**Dorik Inc**](https://dorik.com/)

*(10/01/2023 – 31/07/2024)*

1. **Graduate Research Assistant**

[**Auburn University**](https://www.auburn.edu/)

*(17/08/2024 – current)*

**References:**

**Yazhou Tu**

Assistant Professor

Dept. of CSSE, Auburn University, USA

Email: [yzt0065@auburn.edu](mailto:yzt0065@auburn.edu)

**Jean-François Louf**

Assistant Professor

Dept. of CE, Auburn University, USA

Email: [jlouf@auburn.edu](mailto:jlouf@auburn.edu)

**Noushad Sojib**

Ph.D Researcher

Dept. of CS, University of New Hampshire

Email: noushad.sojib@unh.edu

**Education:**

* + **B.Sc(Engg) in CSE:** Dept. of CSE, North East University Bangladesh. **(01/2019 - 12/2022)**
  + **Doctoral Degree (PhD):** Dept of CSSE, Auburn University, Alabama, USA. **(8/202024 - Current)**

**Researches:**

* + **Collaborating on a research** **project** at **Auburn University's** **Department of Chemical Engineering**, focused on developing a control system and conducting data analysis for a soft robot designed to mimic human-like environmental sensing.

**Recognitions:**

* **AIChE Annual Meeting 2022** – Presented Talk - Poroelastic Mechano-Sensing Soft Robots

***Session***: Polymer Thin Films, Confinement, and Interfaces II

*Phoenix Convention Center, N-122A - November 17, 2022*

* **AIChE Annual Meeting 2023** – Presented Talk - Plant-Inspired Mechano-Sensing Soft Robots

***Session***: Biomimetic Materials

*Orlando, USA - November 9, 2023*

* **CompFlu 2023** – Presented Talk - Plant-inspired Mechanosensitive Soft Robots

*Chennai, India - 18th to 20th December, 2023*

* **APS DSOFT 2024** – Accepted Talk - Plant-inspired Mechano-sensing Soft Robot - [Link](https://march.aps.org/sessions/D38/9)

*Minneapolis, MN, USA - Mon. March 4, 5:00 p.m. – 5:12 p.m. GMT-6 103D*

* + **Thesis Research –** 2D Partial Natural Shape Recognition & Prediction,Dept. of CSE - North East University Bangladesh: Developed an advanced & highly efficient machine-learning model for recognizing and predicting incomplete 2D natural shapes.

**Projects:**

* + **Xero-Campus:** This is an education institute management full-stack software developed using Node JS, React & NextJS. Link to [**YouTube**](https://youtu.be/khHK6yo1-vs) Overview. Live Site – [**campus.arnob.dev**](https://campus.arnob.dev/) (09/2023)
  + **XeroRAT:** This is an Android Studio Project to develop a spyware or Remote Access Tool system for mobile devices (Ethical Usage Only). Link to [**YouTube**](https://youtu.be/12rRIKlNako) Overview (10/2023)
  + **AI-Directory**: A full-stack MERN website for finding AI Tools. Link to [**YouTube**](https://youtu.be/gmDstNSQ398) Overview. Live Site – [**ai-directory.vercel.app**](https://ai-directory.vercel.app) (09/2023)
  + **ReachMe:** A Social Media Platform website using PHP. Link to [**YouTube**](https://www.youtube.com/watch?v=ICv4IHnHEuc) Overview (06/2022)
  + **NEUB** **CodeLand** **Forum:** A forum website for my university using PHP. Link to [**YouTube**](https://www.youtube.com/watch?v=Y_G0NQBbZ44) Overview (02/2022)
  + **Robotic** **Arm:** A robotic arm using Arduino and other robotic components. Link to [**YouTube**](https://www.youtube.com/watch?v=O0rxHLX0vk0) Overview (01/2022)
  + **Wi-Fi** **Controlled** **Car**: A Wi-Fi controlled car using ESP8266 and other robotic components. Link to [**YouTube**](https://www.youtube.com/watch?v=q7FhLXdcjRc) Overview (10/2021)
  + **Retro Cave Adventure:** A retro-style game using JAVA. Link to [**YouTube**](https://www.youtube.com/watch?v=WOkC11EPrkU) Overview (09/2021)
  + **Bank Management Application:** A bank management software using JAVA. Link to [**YouTube**](https://www.youtube.com/watch?v=-BAdWcUSlS8) Overview (05/2021)

**Achievements:**

* **National Rank 141st (Onsite):** ICPC Dhaka Regional 2022 Onsite Contest - 2nd Round.

Team: NEUB\_TeamXero - [**Source**](https://algo.codemarshal.org/contests/dhaka-21-main/standings)- 2023

* **National Rank 103rd (Onsite):** ICPC Dhaka Regional 2021 Onsite Contest - 2nd Round.

Team: NEUB\_TeamXero - [**Source**](https://algo.codemarshal.org/contests/dhaka-21-main/standings)- 2022

* **National Rank 90th (Onsite):** ICPC Dhaka Regional 2020 Onsite Contest - 2nd Round.

Team: NEUB\_DivisionByZero - [**Source**](https://algo.codemarshal.org/contests/icpc-dhaka-20/standings)- 2021

* **World Rank 1677th (BD 13th):** Google CodeJam 2021 Qualification Round.

Username: arnabxero -[**Source**](https://codingcompetitions.withgoogle.com/codejam/round/000000000043580a?scoreboard_type=country_Bangladesh) - 2022

* **2nd Runner Up:** SJ Innovation Hackathon 2021 | Team: Gladiators - [**Source**](https://web.facebook.com/story.php?story_fbid=3029435260603224&id=100006103389679&_rdc=2&_rdr) - 2021
* **1st Runner Up:** Robotics Contest - NEUB ICT Fest 2019 | Team: Pathfinder - [**Source**](https://www.facebook.com/story.php?story_fbid=2483110551902367&id=100006103389679) - 2019
* **2nd Runner Up:** Project Showcasing - NEUB ICT Fest 2019 | Team: Xero - [**Source**](https://www.facebook.com/story.php?story_fbid=2483110551902367&id=100006103389679) - 2019
* **Champion:** NEUB Eid Mubarak Coding Contest | Username: arnabxero - [**Source**](https://www.facebook.com/story.php?story_fbid=3096127180434421&id=843253935721768) - 2019