

Eftakhar Ahmed Arnob

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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:

- Software Engineer**
[Dorik Inc](#)
(10/01/2023 – 31/07/2024)
- Graduate Research Assistant**
[Auburn University](#)
(17/08/2024 – current)

References:

Yazhou Tu
Assistant Professor
Dept. of CSSE, Auburn University, USA
Email: yzt0065@auburn.edu

Jean-François Louf
Assistant Professor
Dept. of CE, Auburn University, USA
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Noushad Sojib
Ph.D Researcher
Dept. of CS, University of New Hampshire
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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 DSOF 2024** – Accepted Talk - Plant-inspired Mechano-sensing Soft Robot - [Link](#)
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](#) Overview. Live Site – 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](#) Overview (10/2023)
- AI-Directory:** A full-stack MERN website for finding AI Tools. Link to [YouTube](#) Overview. Live Site – ai-directory.vercel.app (09/2023)
- ReachMe:** A Social Media Platform website using PHP. Link to [YouTube](#) Overview (06/2022)
- NEUB CodeLand Forum:** A forum website for my university using PHP. Link to [YouTube](#) Overview (02/2022)
- Robotic Arm:** A robotic arm using Arduino and other robotic components. Link to [YouTube](#) Overview (01/2022)
- Wi-Fi Controlled Car:** A Wi-Fi controlled car using ESP8266 and other robotic components. Link to [YouTube](#) Overview (10/2021)
- Retro Cave Adventure:** A retro-style game using JAVA. Link to [YouTube](#) Overview (09/2021)
- Bank Management Application:** A bank management software using JAVA. Link to [YouTube](#) Overview (05/2021)

Achievements:

- National Rank 141st (Onsite):** ICPC Dhaka Regional 2022 Onsite Contest - 2nd Round.
Team: NEUB_TeamXero - [Source](#) - 2023
- National Rank 103rd (Onsite):** ICPC Dhaka Regional 2021 Onsite Contest - 2nd Round.
Team: NEUB_TeamXero - [Source](#) - 2022
- National Rank 90th (Onsite):** ICPC Dhaka Regional 2020 Onsite Contest - 2nd Round.
Team: NEUB_DivisionByZero - [Source](#) - 2021
- World Rank 1677th (BD 13th):** Google CodeJam 2021 Qualification Round.
Username: arnabxero - [Source](#) - 2022
- 2nd Runner Up:** SJ Innovation Hackathon 2021 | Team: Gladiators - [Source](#) - 2021
- 1st Runner Up:** Robotics Contest - NEUB ICT Fest 2019 | Team: Pathfinder - [Source](#) - 2019
- 2nd Runner Up:** Project Showcasing - NEUB ICT Fest 2019 | Team: Xero - [Source](#) - 2019
- Champion:** NEUB Eid Mubarak Coding Contest | Username: arnabxero - [Source](#) - 2019