Eftakhar Ahmed Arnob

🌐 https://arnob.dev
✉ arnab.xero@gmail.com
⬤ GitHub: arnabxero
in LinkedIn: arnab-xero
📱 +880 1926 496967

Languages: English, Bengali
CGPA: 3.44 out of 4.00
IELTS: Overall Band 7

Objective: Dedicated 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 | JS QuickJS
🔶 HTML5 | 🎨 SASS

Programming Languages
🐍 Python | ☕ Java | 🟠 Kotlin
JS 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 – Current)

References:

Jean-François Louf
Assistant Professor
Chemical Engineering Department
Auburn University, USA
Email: ▮▮▮▮▮▮▮▮▮

Noushad Sojib
Ph.D Student
Computer Science Department
University of New Hampshire
Email: ▮▮▮▮▮▮▮▮▮▮

Shahadat Hossain Parvez
Assistant Professor
Computer Science & Engineering Department
North East University Bangladesh
Email: ▮▮▮▮▮▮▮▮

Education:

- **B.Sc(Engg) in CSE:** Dept. of CSE, North East University Bangladesh. **(01/2019 - 12/2022)**

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 - Poroelastic Mechanosensing Soft Robots.
- **Thesis Research –** 2D Partial Natural Shape Recognition & Prediction, Dept. of CSE - North East University Bangladesh: This is my primary thesis research. I have developed a highly efficient machine-learning model that can recognize 2D natural shapes from partial data and generate the missing portion of it.

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