Eftakhar Ahmed Arnob

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Languages: English, Bengali

Objective: Dedicated computer programmer with a strong commitment to advancing knowledge in the fields of Artificial Intelligence, Machine Learning, Computer Security Research, and Robotics. Eager to contribute my expertise and insights to pioneering research efforts in these domains.

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/
   (16/03/2023 – Current)

2. **Technical Support Engineer**
   Dorik Inc - https://dorik.com/
   (10/01/2023 – 15/03/2023)

References:
Jean-François Louf
Assistant Professor
Chemical Engineering Department
Auburn University, USA
Email: jlouf@auburn.edu

Shahadat Hossain Parvez
Assistant Professor
Computer Science & Engineering Department
North East University Bangladesh
Email: shparvez@neub.edu.bd

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

Researches:
- **Collaborating on a Ph.D. 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 and understanding.
  Recognitions:
  - **AIChE Annual Meeting 2023** - Talk on POROELASTIC MECHANOSENSING SOFT ROBOT
    Orlando, USA
  - **Compflu 2023** - Poster Presentation of POROELASTIC MECHANOSENSING SOFT ROBOT
    Chennai, India
  - **APS D,SOFT 2024** - POROELASTIC MECHANOSENSING SOFT ROBOT - On Process

- **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)
- **Foodie:** Food review and restaurant finder website using PHP. Link to **YouTube** Overview (08/2022)
- **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)
- **Demo Operating System:** A demo operating system project using JAVA. Link to **YouTube** Overview (07/2021)
- **Simple Calculator Project:** A simple calculator using JAVA. Link to **YouTube** Overview (06/2021)
- **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