

Iftekhar Ahmed

☎ +8801782565398 | ✉ iftekharifat007@gmail.com | 🏠 iftekhar.vercel.app | 📄 Iftekhar-Ifat | 🌐 iftekhar-ifat

Summary

Enthusiastic Computer Science and Engineering student with a focus on research in computer vision. Actively engaged in impactful projects as an Undergraduate Research Assistant at Intex Research Lab, showcasing adaptability to emerging technologies. Demonstrated proficiency in diverse technologies. Brings hands-on experience in web development, contributing to the creation of dynamic and user-centric AI applications. Adept at fostering academic collaborations and exploring open-ended research projects. Eager to leverage a unique blend of research acumen and practical AI-based solutions in a dynamic environment.

Skills

Languages	Python, Typescript, JAVA, C++
AI/ML Technologies	Numpy, Pandas, SciKit Learn, Tensorflow, Pytorch
Web-Technologies	NextJs, Redux, Tailwind, NestJs, tRPC

Work Experience

Undergraduate Research Assistant

Sylhet, Bangladesh

INTEX RESEARCH LAB

Sep. 2023 - PRESENT

- Working on computer vision algorithms and image processing techniques as part of a research team at Intex Research Lab, contributing to developing scalable AI products.

Research Experience

Chronic Kidney Disease Prediction

🌐 IEEEExplore

📄 Github

- Developed a Chronic Kidney Disease Prediction system
- First author, trained and analyzed the performance of 8 ML algorithms on a UCI dataset.
- Research was accepted at IEEE IEMCON 2022.

Deep Learning-Based Mobile Application for Skin Cancer Detection (Ongoing)

🌐 IEEE CS BDC

📄 Github

- Developing a custom solution for classifying skin cancer.
- Using state-of-the-art transfer learning model to accurately classify skin cancer.
- Working on a custom model to classify each class accurately.
- Extended Abstract of this work is presented on the IEEE CS BDC Summer Symposium.

Projects

LU-CP-Archive.

🌐 LU-CP-Archive

TECHSTACK: REACT, EXPRESS, MONGODB, FIREBASE

📄 Github

- Developed LU-CP-ARCHIVE, a robust MERN stack application that supports students in programming competitions.
- Implemented role-based user management, allowing power users to effortlessly add or remove problems and contests.
- Integrated a Leaderboard feature to foster competition and motivate users to excel.
- Leveraged the CodeForces API to enable users to add their CodeForces handles and conveniently track their solved and unsolved problems.
- Official website of LU ACM Community.

Wrap Up School

🌐 wrap-up-school

TECHSTACK: NEXTJS, FIREBASE, BOOTSTRAP

📄 Github

- Developed and launched Wrap Up School, an innovative online platform utilizing NextJs, Firebase, and Bootstrap.
- Provided short-term live courses for SSC and HSC students.
- Collaborated with highly skilled instructors from renowned institutions like BUET and DMC to design enjoyable and fruitful courses.
- Ensured students effectively catch up on their syllabus and overcome academic challenges.

Extracurricular Activity

IEEE CS LU SBC

WEB MASTER

Nov. 2021 - PRESENT

- Developing web applications and software.
- Participated and volunteered in a lot of seminars / webinars.

Education

Leading University

Sylhet, Bangladesh

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Jan. 2020 - Dec. 2023

- Pursued a comprehensive curriculum in Computer Science and Engineering at Leading University, maintaining a current CGPA of 3.53.