

A.H.M Sakif Shale

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About Me!

I am a highly motivated learner with a strong desire to use my acquired knowledge and achieve tangible experience. I am also a dedicated team player committed to making a meaningful impact on any team. I have a passion for continuous learning and also have a good skill set in Android development. I have showed proficiency in coding principles and adept at problem-solving methodologies.

Research Interest

Software Engineering (SE), Machine Learning (ML)

Education

B.Sc in Information and Communication Technology Feb 2019 – May 2024

Institute of Information Technology, Jahangirnagar University

- GPA: 3.37/4.0
- **Courses:** Data Structures and Algorithm, Database Management System, Operating Systems, , Computer Networking, Theory of Computing, Machine Learning

Technologies

Languages: C++ , C, Java, **Python**, PHP, SQL, JavaScript, Dart

Technologies: Microsoft Office, Microsoft SQL Server, XCode, **Figma**, **Android Studio**, **Flutter**, **Wordpress**

Experience

Research Assistant Sept 2024 – Present

Institute of Information Technology, Jahangirnagar University, Bangladesh

- Working with my professor on research topic in collecting and analyzing data.
- Preparing necessary task and experiment for the research.

Mentor Feb 2023 – Feb 2024

CodexPro, Bangladesh

- Delivered instruction in **Python** and **Scratch** programming to students aged 7 to 17, emphasizing the development of coding skills and logical reasoning.
- Supervised students in the creation of final projects, primarily game development using basic programming applications.
- Provided continuous guidance and support to students, ensuring successful project completion and mastery of programming concepts.

Publications

Alzheimer's Detection using XAI in Capsule Network & Post Detection Accepted






Management with Portable Solution

A.H.M Sakif Shale, Sabikun Naher Monisha, Barnita Barai Sithee, M. Shamim Kaiser

Projects

Alzheimer's Detection & Management  2023-2024

- Developed a research thesis on Alzheimer's Early Detection using XAI and created a demo portable device application for the management of Alzheimer's patients.
- Tools Used: Python, Pandas, Numpy, CNN, KNN, XAI, Inception V3, CapsNet, U-Net, ResNet

- E-Commerce Platform**  2023
- Developed a platform facilitating the buying and reselling of products among university students within the campus community.
 - Tools Used: HTML, CSS, Bootstrap, JavaScript, PHP
- Accounting System For A Shop**  2023
- Designed a shop system where customers can browse, order, and pay online, while owners manage inventory, update stock, and track profits.
 - Tools Used: Adobe XD
- Sales Forecasting with Supply Chain Management**  2023
- Designed a system using machine learning models, enabling customers to browse, order, and pay online, while owners manage inventory and track profits through predictive analytics.
 - Tools Used: Python, Pandas, Numpy
- Smart Trolley with Product Validation for Hassle-Free In-Store Purchases**  2022
- Created a smart trolley where the trolley itself works like a scanner machine and show the total price.
 - Tools Used: RFID Tag, Arduino Uno, RFID Reader, Buzzer, Led Light
- Online Discussion Forum**  2022
- Built an online forum where users can browse discussions freely, with login unlocking the ability to contribute.
 - Tools Used: HTML, CSS, PHP, JavaScript, MySQL, XAMPP

Extracurricular Activities

- Chair** March 2023 – Sept 2024
IEEE Computer Society, Jahangirnagar University
- Organised IEEE Extreme23 preliminary in campus.
 - Organised workshop on OOP and graphics designing.
- Treasurer** March 2022 – March 2023
IEEE Student Branch
- Helped organising IEEE Extreme22 preliminary in campus.
 - Collaborated with the team in organising various workshops on technical topics.
- Graphics Master** Feb 2020- March 2022
IEEE Student Branch
- Created various designs of poster, Banner, Cover photo, Logo for the IEEE programs.
- Head of Creative Editing** March 2020- March 2021
HULT PRIZE, Jahangirnagar University
- Worked with the whole team to make the HULT PRIZE more entertaining and interesting.
- IT Executive** May 2021- April 2022
E-Business & Entrepreneurship Club, Jahangirnagar University
- Collaborated with the team and maintained the IT sector of the club.
 - Worked with the team to take a couple workshop on graphics designing.