M O S T . M A H A Z A B I N

CONTACT

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OBJECTIVE

As an aspiring professional committed to continuous growth and contribution, my primary objectives encompass broadening my skill sets, acquiring practical experience, and fostering collaborative teamwork. I am dedicated to upholding a strong work ethic, embracing flexibility, and perpetually pursuing new knowledge.

SKILLS AND ABILITIES

Fields:

- Software Development
- Mobile Application Development
- Web Development
- Database Management
- Project Management

Professional Skills:

- Java
- Python
- C/C++
- HTML
- CSS
- JavaScript
- Bootstrap
- MYSQL

Education

B.Sc. in **Computer Science & Engineering (3.706)**
Ahsanullah University of Science and Technology (AUST)
Session: 2019 - 2024.

Higher Secondary School Certificate (GPA-4.89/5.00)
Dhaka City College
Session: 2017 - 2019.

Secondary School Certificate (GPA-5.00/5.00)
Mohammadpur Preparatory School and College
Session: 2015 - 2017.

PROJECTS

Searchkin Web Browser
Developed in NetBeans IDE 8.2 using JavaFX and Derby Database

Hope Box (Android Application)
Developed a Suicide Prevention Application using KOTLIN and JAVA with Android Studio

Balencedo
Balancedo is a 2D balancing game using igraphics and C programming Language

Donate Life – Organ and Blood Donation Management (Website)
Developed a website for general hospitals and clinics for organ and blood donor registration using Asp.net MVC

FanFair- E-Commerce Website (Website)
FanFair is an e-commerce platform for fans featuring their songs, information and merchandise products using Html, CSS, JavaScript and PHP

Blind Stick for the Visually Impaired (Hardware)
Designed and implemented a blind stick to assist visually impaired individuals for navigation and implemented features such as directional assistance and smoke detection using Arduino

Drivieo (Software)
Developed a car-sharing and driver-hiring platform application using KOTLIN and JAVA with Android Studio

THESIS & RESEARCH

A Comparative Study on Skin Disease Classification Using Pre-trained Models:
This study evaluates skin disease classification using ConvNext, MobileNetV1, and DenseNet architectures on a DermNet dataset with varying classes. It explores three, five, and seven class schemes, focusing on fine-tuning and hyper-parameter optimization. Models adjust learning rates, optimizers, batch sizes, and epochs to mitigate over-fitting. Results underscore the importance of architecture, fine-tuning, and optimization. An Ensemble model combining these architectures achieves 87.15% accuracy, demonstrating the efficacy of combining pretrained models for enhanced diagnostics.

Software Competency:
- Microsoft Office || PowerPoint || Excel
- Android Studio
- Visual Studio Code

Strength:
- Self-motivative attitude.
- Deal with constraints.
- Work under pressure.

Language proficiency:
- Fluent in both Bengali and English.

Abilities:
- Leadership and communication
- Time management
- Problem-solving

REFERENCES:

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Enhancing Construction Site Safety: A Deep Learning Approach for Detection and Monitoring of Safety Equipment:
This study utilizes the YOLOv8 model to enhance construction site safety by detecting safety equipment on two datasets. With a Mean Average Precision (mAP) of 80.1% on the PPE dataset and 79.72% on a custom dataset, YOLOv8 demonstrates adaptability and reliability. These results highlight its potential for real-world implementation, aiding proactive risk mitigation and enhancing worker protection in construction environments, marking a significant advancement in safety monitoring systems.

Ovarian Cancer Subtype Classification Using CNN Models:
This paper compares VGG16, EfficientNetB3, and ResNet50 CNN models for classifying ovarian cancer subtypes using 34,285 images. ResNet50 achieved the highest accuracy of 71.67%, demonstrating its proficiency in capturing intricate features. Precision, recall, and F1 scores were computed for comprehensive evaluation, and confusion matrices visually represented results. The study highlights ResNet50's potential in improving diagnostic precision and guiding personalized treatment decisions for ovarian cancer subtypes.

AWARDS & EXTRA-CURRICULAR

Participated in Ada Lovelace National Girls Programming Contest 2021.

Cefalo CodeFiesta 2022 (Software Exhibition)
2nd Runner-up for developing the mental health support and suicide prevention application called Hopebox.

AUST CSE Carnival 1.0 (Software Exhibition)
1st Runner-up for creating an e-commerce platform named FANFAIR.

Participated in MINDSPARKS23, a software exhibition organized by AUST INNOVATION AND DESIGN CLUB

To the best of my knowledge and belief, this CV accurately portrays me, my credentials, and my experience. I, the undersigned, attest to this. I am aware that making any of the deliberate false statements mentioned here could result in my termination or disqualification.

Most. Mahazabin

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