Curriculum Vitae

Mahfujur Rahman

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OBJECTIVE

A skilled Computer Vision Engineer with a successful history of developing and deploying computer vision models for various real-world applications. Experienced in designing and implementing image processing pipelines, deep learning structures, and improving algorithms for tasks like object detection, segmentation, and visual recognition. Proficient in using frameworks such as OpenCV, TensorFlow, and PyTorch to create scalable and effective solutions. Solid understanding of both the theory and practical aspects of computer vision, which allows for the development of smart systems that provide reliable results.

ACADEMIC CREDENTIAL

United International University — Dhaka, Bangladesh
Bachelor of Computer Science and Engineering; CGPA: 2.47/4.00 — *Jan 2019 – Apr 2024*

Choumuhani Govt. S. A. College — Noakhali, Bangladesh
HSC: Cumilla Board; Science; GPA: 3.92/5.00 — *Passing year: 2017*

Noakhali Zilla School — Noakhali, Bangladesh
SSC: Cumilla Board; Science; GPA: 4.56/5.00 — *Passing year: 2015*

UNDERGRADUATE PROJECT

Project name: Driver Drowsiness Detection Using Effective Deep Learning Algorithm.
Description: we propose a clever methodology for sluggishness identification utilizing a Dense Convolutional Network (DenseNet) with a considerable component and Long Short-Term Memory(LSTM). Our proposed approach effectively captures the driver's face's spatial and temporal features by combining DenseNet and LSTM. The proposed model is prepared and assessed on the freely accessible Sivas University of Science and Technology Driver Drowsiness Dataset (SUST-DDD) and accomplishes best-in-class execution with regard to exactness, accuracy, review, and F1 score. Our exploratory outcomes show the adequacy of the proposed strategy in precisely recognizing drowsiness in drivers, in this way further developing street well-being.

WORKING EXPERIENCE

ML Researcher:
Collaborated with cross-functional teams to collect and preprocess large-scale datasets, applying data augmentation techniques to enhance model generalization and robustness.

Data Annotation Engineer: AnnexAI

Proficient in data annotation tasks, ensuring high-quality datasets for AI model training.
Successfully lead data annotation teams, optimizing workflows and maintaining project timelines.
Contributed to the creation and development of AI models, providing valuable insights and solutions.
Collaborated with software development teams to integrate AI models into innovative applications.

RESEARCH INTEREST

Computer Vision
AR/VR
Healthcare
Image Processing
Activity Recognition

Natural Language Processing (NLP)

LANGUAGE PROFICIANCY

Mother Tongue: Bengali.
Second Language: English (All academic courses and lectures were provided in English)

EXTRA CURRICULUM ACTIVITY

volunteer: UIU Computer Club

SKILLS

Front End: HTML, CSS
Programming Languages: C, Python
Databases: MySQL
Project Management: Scrum/JIRA
Version Control: Git
Data Annotation: Labelbox, Roboflows
Machine Learning Libraries: TensorFlow, Keras, Scikit-learn, PyTorch Python libraries(NumPy, Pandas, and Matplotlib)

Personal Profile

Name	Mahfujur Rahman
Fathers name	Mozammal Hossain
Mothers name	Bibi Moriom Parul
Date of Birth	17th December, 1999
Age	26 years
Present address	C/O: Hafiz Omar Faruk, House: 161/6, FL: 4D/B, North Vasantik, Dhaka Cantonment-1206
Permanent address	Hatkhola Bari, Ward No.: 3, Holding No. 199, Vill: Eklashpur, P.O: Eklashpur Bazar-3800, Upazilla Begumgonj, District: Noakhali
Religion	Islam
Nationality	Bangladeshi
Marital status	Single
Sex	Male
Height	6’
Weight	95 kg
Blood group	B+

Paper Published

Tariq, Abrar Zuhaer, Faisal Ahmed, Azad Khandoker, and Mahfujur Rahman. ”An AI-IoT Framework for Handwritten and Multilingual Prescription Interpretation with Timely Medication Reminder Support.” In 2025 IEEE 49th Annual Computers, Software, and Applications Conference (COMPSAC), pp. 1938-1943. IEEE, 2025.

REFERENCES

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