KAMRUL ISLAM SAREK

Address: Sher-e-Bangla Nagar, Dhaka ,Mobile No: 01891505720 ,Email : kamrulislamsharek.cse.rmstu@gmail.com
Link: https://github.com/kamrek/Fish-disease-detection, https://www.linkedin.com/in/kamrul-islam-sharek-5515741a2/

Professional Summary:

- 1+ years of experience working in a corporate environment as a Front-end UI/Web developer and 2+ years of experience in Machine Learning Engineer .
- Experience developing highly interactive web applications utilizing JavaScript,TypeScript, Node.js, HTML5, Tailwind CSS, JSON, and Bootstrap and integrating Restful API's. Good understanding of Model View Controller MVC, MVVM, and MVP design patterns.
- Experienced in building Single Page Applications (SPA) ,hook cycle ,data sharing different Component and from validation and Third-party libraries are (Prime NG,Angular Material ,NgRx).
- Worked in various version control systems - GIT and Container system as a docker.
- I have hands-on experience in Java back-end development and skills with the Spring-boot framework. Worked extensively in PostgreSQL for database and
- Basic knowledge on Https, SSL, TLS, Rest API,UMS and Usability of Software Requirements Specification (SRS).
- For Machine Learning , I used CNN,M-SVM,OCR and Proven working experience with image segmentation-based algorithm K-means clustering and C-means fuzzy logic for the classification of the test image.

Tools and Technology:

- **Visual Studio Code** for Clinet side code IDE for Angular
- **IntelliJ IDEA 2021.2 (CommunityEdition)** Server side code IDE for Java, Spring boot framework.
- **Postgresql 10** Database for AMS data and
- **Redis server (4.0.9)** Database for storing user token
- **Java version (1.8.0_271)** for Java runtime environment and Gradle 6.8.1 for Application build tool
- **Python version (3.8.0)** for Run python script for automation and
- **GSpread 4.0.0** for library Read Gsheet to import data
- **Flyway Community Edition 7.0.2** for Run sql script to Create/update database
- **Dbeaver** IDE For Postgres SQL editor and Postman for Testing API
- **Other Tools & Technologies**: NPM, NVM, Angular-CLI, Prime Ng, Hibernate
- **Operating System**:Ubuntu 20.04.05.LTS (Focal Fossa) and Windows 10 and Methodologies: Agile.
- **Matlab and Google Coolab** environment for Machine Learning algorithm.
- **BPMN diagram** for short, is used to build easy-to-read business process model flowcharts.
- **Version Control System** ,I used in Gitlab and delivery principles and related tools Docker

Employment History:

1. Trainee Software Programmer (February, 2022 - Continuing) | spectrum engineering consortium ltd
69/1, Panthapath, Chandrashila Suvastu Tower, 7th FLoor, Suite OC, Dhaka-1

Description:
Custom Automation Asset Management System(CAAMS),is a running project of Governmental office.this project is build on to preseve the Automated System for Customs Data**.**

Responsibilities:
- I develop front-end website architecture using Angular , and design user interactions on web pages also develop back-end website applications like Redux and MVC Pattern.
- Identifying issues with front-end code and rectifying them to remove a high level of knowledge around the Angular framework and high-level knowledge of front-end interfaces also creating well-written documentation, ensuring front-end code is able to query APIs.
- I have hands-on experience in Java back-end development and skills with the Spring-boot framework and Using Node. js,(npm) and nvm as a Webpack and Third-party library integration.
- I have strong I have working experience in Git for new application features and coding techniques with confidence knowing git and I can quickly and easily use my Git repository to return to a previous working.

2. Research Assistant (November, 2022 - February, 2022) | Rangamati Science And Technology University | Rangamati

Description:
Publishing (+2)two research papers, As a research assistant , I worked with professor juel sikder in computer science and engineering research lab at Rangamati Science and technology University. I also worked on Machine Learning Team based on OCR and GCN in Spectrm Engineering Consortium ltd.

Responsibilities:
- Proven working experience with image segmentation-based algorithm K-means clustering and C-means fuzzy logic for the classification of the test image, for the classification purpose of the test image, I used to MultiSupport Vector Machine (M SVM) . Having working experience in deep learning-based algorithms just like CNN. Using the OCR method for Table Extraction and GCN.

Environment : MATLAB,Google coolab .

Academic Qualification:

Exam Title	Major	Institute	Result	Pas.Year
Master of Science (MSc)	Computer Science & Engineering	Rangamati Science and Technology Universit	Appeared	2022
Bachelor in Engineering (BEngg)	Computer Science & Engineering	Rangamati Science and Technology University	CGPA:3.41 out of 4	2018

Reference (s):

	Reference: 01	Reference: 02
Name	Md.Sharafat Hossain Kamal (Manager,Systems)	Juel sikder (Assistant Professor)
Organization	Spectrum Engineering Consortium Limited (7th Floor), Suite-C, Chandrashila Suvastu Tower,69/1 Panthapath, Dhaka 1215	Rangamati Science and Technology University,Rangamati-4500
Mobile	01601331419	01833053416
E-Mail	sharafat@spectrum-bd.com	juelsikder48@gmail.com