Taiabur Rahman

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AREA OF EXPERTISE

Medical Imaging & Analysis | Image Processing | Full Stack developer

EDUCATIONS

MSc, ERASMUS+ Joint MSc in Medical Imaging & Applications (MAIA)	*Sep 2022 –Aug 2024*
University of Burgundy-France	
University of Cassino and Southern Lazio-Italy	
University of Girona-Spain	
Winter School 2023	*Feb 2023*
University of Cassino and Southern Lazio-Italy	
MSc, Software Engineering (SE)	*Sep 2018 –Aug 2020*
Tianjin University, School of Computer Software, China	
BSc, Computer Science & Engineering (CSE)	*Oct 2010 -Feb 2014*
Bangladesh University (BU), Bangladesh	

PROFESSIONAL TRAINING

Oracle Certified Professional (OCP)	*Nov 2017*
IBCS-PRIMAX Software (Bangladesh) Ltd., Bangladesh	
Professional Web Design & Development	*Oct 2014*
BASIS Institute of Technology & Management (BITM), Bangladesh	

EMPLOYMENT HISTORY & EXPERIENCE

Assistant IT Manager & Full Stack developer	*Dec 2020 -Aug 2022*
Vision Eye Hospital, Bangladesh	
Higher Education Research Assistant	*Sep 2018 –Jan 2020*
Tianjin University, School of Computer Software, China	
Web Application Developer	*Oct 2019 -July 2020*
SystemBind Consultaing & IT Services Inc. (Remote Job), Canada	
Software Engineer	*Oct 2017 -Aug 2018*
Vision Eye Hospital, Bangladesh	
Web Application Developer	*July 2016 -Jan 2017*
Make Good Media. (Remote Job), Canada	
Software Engineer	*Oct 2017 -Aug 2018*
Aptronix Ltd, Bangladesh	
Software Engineer	*Apr 2014 -July 2017*
Coderment Ltd, Bangladesh	

TECHNICAL SKILLS

Programing Languages:
Python*, MATAB, C++, PHP*
Machine learning libraries:
PyTorch*, pyQt5*, SciPy, Scikit-Learn, NumPy*, Pandas*, Matplotlib*, OpenCV*
Web Application Tools:
JavaScript, jQuery*, Vue.js/CLI*, RESTful API*, Git*, Json, XML
DevOps:
GCP, AWS (EC2*, RDS, Load Balancing, Auto Scaling, S3*, CloudFront, Route53*, and CI/CD
CodeDeploy), DigitalOcean*
Web Server:
Apache*, Nginx*.
Databases:
SQL, Oracle, MySQL*, SQLite

* Proficient

INDUSTRIAL PROJECTS

Hospital Information Management System [ERP]
[PHP, Laravel, Vue CLI, MySql, AWS]

Store Management System [Franchise]
[PHP, Codeigniter, MySql, Bootstrap, jQuery, Ajax]
Ecommerce system [B2B]
[PHP, Laravel, Codeigniter, MySql, Bootstrap, jQuery, Ajax]

ACADEMIC PROJECTS

Retinal Lesions Segmentation   Mar 2023
Create a python program the automatic detection and segmentation of Hard exudates (HEx) in
colour eye fundus images.
Image processing Application   *Feb 2023*
Develop an application that utilizes the pyQt5 python library to calculate various image processing filters,
such as average smoothing, gaussian filtering, Laplacian filtering, Sobel filtering, and Roberts filter.
Bibliography Review: Comparative study with Automated Kidney Image Segmentation Based on
Traditional & Deep Learning approach.   *Sep 2022 -Jan 2023*
Studied research articles and prepared a review report on Automated Kidney Image Segmentation Based on
Traditional & Deep Learning approaches and observed the advantages and drawbacks of each method.
Retinal fundus image enhancement with image decomposition and visual adaptation   *Sep 22 -Jan 23*
Studied research articles and prepared a review report and presentation.
Stationary wavelet transform based ECG signal denoising method   *Sep 2022 -*
Jan 2023
Studied research articles and prepared a review report and presentation.
Traffic (signal light) Simulation and Violation Detection   *Sep 2022 -Jan 2023*
[Git] [Python, pyGame]

LANGUAGE SKILLS

Languages: Bengali- Mother tongue, English – B2, Chinese – A1, Franch- A1, Italiano-A1

LINKS

Github | Linkedin

SCHOLARSHIPS AND AWARDS

Tianjin Government Scholarship 2020   *Sep 2020*
Tianjin Government (Local Government of PR China)
Tianjin Government Scholarship 2019   *Sep 2019*
Tianjin Government (Local Government of PR China)
Tianjin Government Scholarship 2018   *Sep 2018*
Tianjin Government (Local Government of PR China)

REFERENCES

Eric FAUVET
Associate Professor
Course Director, Master in Computer Vision (MAIA-VIBOT program)
Le Creusot, Franch
eric.fauvet@u-bourgogne.fr