MOHSINA AHMED CHOWDHURY

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EXPERIENCE

ICT Officer/Course Co-ordinator (Part-Time)   **2014 – 2022**
MERAS Healthcare Limited ([Centre for Health Education](#)**), Glasgow, UK**

- Daily maintenance and development of ICT systems (including but not limited to website development) relating to the day to day running of the company. Actively followed the Agile Project Management system.
- Maintained the regular updates (software/drives) of the company machines and the on-site server (NAS - Synology Server). Setup remote access for the staffs (teamviewer, Aeroadmin, RemoteHost etc).
- Regularly setup the Synology server drives and IT system (computer login, email account, create server access etc.) into the staff's machines.
- Development of the education section of the website: [Centre for Health Education](#). I have started a simple website designed from the Dreamweaver and then moved to the WordPress. We then created custom coded login system that manages a big candidate database through admin portal. The system also has candidate dashboard, where they can add any course, pay for them, contact admin and see course related information.
- Created an online application form and the WorldPay payment system both through custom code and the WordPress (WooCommerce). Learned to integrate the custom coded website with the CMS system.
- During COVID 19 pandemic, adapted system to move towards e-learning and developed the website accordingly. Explored different ways to upload lectures (Google drive/GoConqr) and let the candidate see the lectures in a secure environment. Created a system where admin can control the access of the lectures.
- Designed and developed one of the first paperless online exam portal for various medical life support courses (ALSG, ALS, e-ALS, APLS, EPALS, GIC etc). These are the accredited courses of the ALSG and the Resuscitation Council (UK). During COVID-19 our approach became a versatile approach of doing advanced life support courses in the pandemic. This is a live testing system, where examiners mark any candidate of any particular station and the results are saved into the database.
- Being a course co-ordinator, learned to organise the face-to-face courses in a team (i.e., setting up the scenario, organizing catering, ordering equipment etc), and also participated as a trained BLS candidate in the different life support scenarios, and invigilated MCS stations as well. Learned to work in multi-direction.
- Learned to work in a team and being a part of the co-ordinating team, got a clear understanding of how the internal system works; and hence designed and developed the website to meet those standards.

ICT Development Officer (Part-Time)   **2013**
Shinten Budo, Glasgow, United Kingdom

- To regularly update website content, in conjunction with other internal teams, provide email and network support. To familiarise, develop and adhere to all internal policies and procedures.
- To develop and maintain close communications with fellow team members, to ensure the maximum flow of information, understanding and ideas. To observe the institution's Equal Opportunities Policy.
- To ensure compliance with the institution's Health and Safety policy.

UNIVERSITY EDUCATION

University of Hertfordshire (QFC Level-6) *First Class Hons.* *2013-2014*	**BSc Computer Science** – including modules in Further Object-Oriented Development, Principles and Applications of Web Services, Database and e-learning Applications Design and Development.

University of Glasgow, Scotland (UK) *Distinction* *2007-2008*	**BSc Engineering in Microcomputer Systems Engineering** – including modules in Digital Circuit Design, Communication Systems, Computer Science-Advanced Programming and Network Systems, Engineering Career Skills and Mathematics, Project Design, Implementation and Delivery.
University of Dhaka, Dhaka (Bangladesh) *2004-2007*	**BSc Engineering in Computer Science & Engineering** – including modules in Computer Fundamentals, Programming Fundamental, Computer Programming Lab (C/C++, Java), Assembly Language & Operating System Lab, Analogue Electronic & Microprocessor Lab, Electronic Lab, Digital Systems, Microprocessor & Assembly Languages, Basic Electronics, Electronics Circuit Analysis, Mathematics- Calculus-1, Discrete Math, Linear Algebra, Numeric Analysis, Management & Accounting.

PROFESSIONAL EDUCATION (Ongoing)

The Complete Python Pro Bootcamp for 2023 *Udemy*	Python 3, Jupyter Notebook, Google Colab, Python Scripting and Automation, Game Development, Deployment with GitHub, Heroku and GUnicorn.
Complete Web Development Course *Programming Hero*	HTML5/CSS3, Responsive Web Layout including animations, JavaScript, API, React, Backend and Database Integrate, Intermediate Level React
Create eLearning courses using Articulate Storyline *Udemy*	Teaching approaches & methods, working with timeline, Inserting & editing images, audio and video, using animations and cue points, working with shapes, characters and layers, Quizzing and learning interactions

MEMBERSHIP OF PROFESSIONAL BODIES

Member	Institute of Electrical & Electronics Engineers (IEEE)
Member	The Chartered Institute for IT (BCS)

SKILLS & INTERESTS

Programming Languages: HTML5/CSS3, C/C++, ASP.NET, Java/JavaScript, PHP, Python.
Web Application Architecture: Apache/WAMP, MySQL, PHP; **PHP Framework:** CodeIgniter.
Content Management System: WordPress; **Source Code Management:** GitHub.
Web Hosting Control Panels: Plesk and cPanel; **Extra Web Related**: SEO & Google Analytics.
Software: Visual Studio/Visual Studio Code, Microsoft Office, Adobe Dreamweaver, Figma.
Project: -Digital Clock, Robotic Car - knowledge of transmitter, transceiver, microprocessor, microcontroller etc. -Developed a Learning Analytics application in ASP.NET, and then deployed it on a university authentic server environment (University of Hertfordshire, 2014). This was a project of the module "E-learning Applications Design & Development". It has a user registration form, login dashboard (for user/admin); and an e-learning application inside the user dashboard.
GitHub link: https://mohsina-ahmed.github.io/MA_ProjectVideo2014/MA_ChowdhuryProjectVideo_player.html
Languages: English (Intermediate); Norwegian (A2); Bengali (Native); Urdu (Native); Hindi (Intermediate).
Outdoor activities: NNAS Navigation Award Bronze (SCQF 4) and Silver (SCQF 5), Bush Craft Course (by Aspen).
Hand Craft: Sewing, drawing and painting.