MUHAMMAD RAHIMAN BIN ABDULMANAB
Bachelor in Computer Science (Software Engineering)
Cyberjaya, Selangor, Malaysia
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EDUCATION

Sep 2018 — Feb 2022

Bachelor in Computer Science (Software Engineering), Faculty of Computer Science and Information Technology, Universiti Malaya — Kuala Lumpur

CGPA: 3.94/4.00   MUET: Band 5   Dean's List: 6/7 Semesters

Related coursework:

Fundamentals of Programming, Computer Systems and Organisation, Computer System Architecture, Network Technology Foundation, Data Structure, Fundamentals of Artificial Intelligence, Web Programming, Software Modelling, Concurrent Programming, Software Architecture and Design Paradigms, Software Process and Quality, Software Testing, Software Requirements and Engineering, Design Patterns, Component-based Software Engineering, Real Time Systems, Mobile Application Development (Android), Algorithm Design and Analysis, Operating Systems, Human Computer Interaction.

Jun 2017 — Apr 2018

Foundation in Physical Science, Centre for Foundation Studies in Science, Universiti Malaya — Kuala Lumpur

CGPA: 4.00/4.00

- Programming Tutor for Stimulating Interactive Grouped and Attentive Learning (SIGNAL) project.
- Member of Multimedia Bureau, Student Action Committee (JTK), Ungku Aziz Residential College (KK11).

Jan 2013 — Dec 2014

Malaysian Certificate of Education (SPM), Kolej Datu Patinggi Abang Haji Abdillah — Kuching

SPM: 6A+, 4A

RELEVANT EXPERIENCES

Mar 2022 — Present

Software Engineer 1, Dell Technologies

- Assigned to the TMX Validation & Transition COE team for my first rotation of the IT Development Program (ITDP) and Rotations Program.
- Involved in full-stack development for the Validation as a Service (VaaS) project: A one-stop shop to leverage validation & automation intelligence service for driving better UX using Nuxt.js, Vue.js and Azure.
- Content creator (writing and video) and co-lead for TMX Validation & Transition COE's newly-formed Marketing and Communication (MarComm) team.
- Speaker for Dell Technologies' sharing session for GRADUAN Career Fair 2022: "*How Does Dell Support Young Talents with their Career Growth*".
- Awarded 4th place for TIDE's Dell.com UI/UX Hackathon.
- Lead the organising committee for TIDE's first ever Team Member Experience (TMX) Hackathon 2022.
- Lead the Process Management team for the newly-formed Malaysia Tech CSR core team.
- Volunteered as mentor for Dell Digital Virtual Hack2Hire (March & November 2022). In charge of reorganising the rules and regulations and mentoring guidelines.
- Volunteered as video editor for Dell Developers Day 2022: Day in Life of a Developer initiative.
- Volunteered as emcee for Dell Digital Automation Day 2022.
- Volunteered as Committee Member for FY23 Digital People Rally (Cyberjaya).

Sep 2021 — Nov 2021

Team Leader, Software Modelling Competition, 2021/2022 Session

- Lead a team of Software Engineering students in organising the faculty's first-ever Software Modeling competition: a team-based competition centred around creating Unified Modelling Language (UML) diagrams, which are done prior to building innovative software products.

Jul 2021 — Sep 2021

Student Mentor, *UMHackathon* 2021

- Served as master of ceremony for the opening ceremony.
- Mentored 2 teams, one of which (Team Gnosis) was awarded second runner-up in the Agriculture domain.

Aug 2020 — Jan 2021

Development Ninja Intern, Infront Consulting Group Asia Pacific

- Designed and developed a Django web application for the Asymptomatic COVID-19 Digital Solution: A Proof of Concept Study (CODIQ-My) in collaboration with the Institute of Clinical Research (ICR) and

Ministry Of Health, Malaysia (KKM) as part of the company's Corporate Social Responsibility (CSR) to help the country in COVID-19 Response and Awareness.
- Designed and developed an internal platform-as-a=service (PaaS) service desk web application using Adobe XD, Django and Microsoft Azure based on the Information Technology Infrastructure Layer (ITIL) and Information Technology Service Management (ITSM) frameworks.

Sep 2019 — Jan 2021 **Vice President, Persatuan Komputer Universiti Malaya (PEKOM)**
- Lead the delegation for FCSIT's Thailand student mobility programme to Prince of Songkla University, Hat Yai, Thailand
- Organised the first-ever Capture the Flag introductory session to Faculty of Computer Science and Information Technology, Universiti Malaya students in collaboration with Wargames.MY
- Established the first Robotics Interests Group in FCSIT

Sep 2019 — Apr 2020 **Director, KinaWorks**
- A multimedia, technical and documentation club in Kinabalu Residential College, University of Malaya.
- Co-lead of *Createz Bootcamp* 3.0, the first Adobe XD, AE and AI workshop to be fully organised by students in a college project in University of Malaya in collaboration with PEKOM.

AWARDS & ACHIEVEMENTS

Aug 2022 **_Fitweet_: Arduino-based Smartwatch for Early Anticipatory Anxiety Notification System**
Presentation and publication of Final Year Project research paper to the Lecture Notes in Electrical Engineering (LNEE) Springer book series.

Feb 2022 **Dean's List**
Recipient for 6 Semesters (Semester 1, 3-7) with 4.00 GPAfrom Faculty of Computer Science and Information Technology, Universiti Malaya.

Jan 2022 **Champion (IET Innovation Award) and Second Runner Up (Young Innovator Award)**
Awards for my Final Year Project submission to the IEEE Malaysia Final Year Project (FYP) Competition 2021 organised by IEEE Malaysia Section.

Dec 2021 **Gold Medal Winner (Young Ideation Category)**
Awards for my Final Year Project submission to the International Digital Innovation in Wellness (DInoWEx2021): Enhancing Quality of Life through Technology competition.

Feb 2021 **Champion, Dell Digital Virtual Hack2Hire**
Tied in 1st place and shortlisted for the coveted grand prize which is the permanent job offer as Software Engineer at Dell Technologies Malaysia, Cyberjaya.

May 2019 **Active Student Award**
Awarded during Kinabalu Residential College's Awards Night (MAK) at Universiti Malaya, 2018/2019 Session.

PROJECTS

Mar 2021 — Feb 2022 **_Fitweet_: Arduino-based Smart Watch for Early Anticipatory Anxiety Notification System**
- Developed a Django web application for managing information of Tweets analysis, body vital signs, notification, mental health-related mobile app recommendations, mental health chat support and Arduino smart watch users as part of my Final Year Project (FYP).
- Deployed web application link: fitweet.tech (under indefinite maintenance).

Oct 2021 — Feb 2022 **_GOCery_ Mobile Application**
- Developed an Android native mobile application for managing grocery purchases including receipt OCR, expenses tracker, card/voucher and route planning management using Android Studio with integration of Firebase Realtime Database & Cloud Storage, Google's ML Kit for Text Recognition and Places API.

Oct 2020 — Feb 2021 **Asymptomatic COVID-19 Digital Solution: A Proof-of-Concept Study (_CODIQ-My_)**
- Developed a Django web application prototype with integration of Microsoft Azure cloud services, Internet of Medical Things (IOMT) and artificial intelligence to provide doctors with real-time information on the health status of home-quarantined patients, enabling doctors to provide fast and targeted treatment plans.
- In collaboration with the Institute of Clinical Research (ICR) together with local and international collaborators to assist the Ministry of Health, Malaysia (KKM)'s efforts in managing the COVID-19 pandemic.

- See the New Straits Times article regarding the project: https://www.nst.com.my/news/nation/2021/08/719321/codiq-my-real-help-fight-against-covid-19-says-health-dg.

CERTIFICATIONS	
Oct 2022	**Microsoft Certified: Azure Developer Associate** Demonstrated knowledge of the following technical tasks: develop Azure compute solutions; develop for Azure storage; implement Azure security; monitor, troubleshoot, and optimize Azure solutions; and connect to and consume Azure services and third-party services by passing the AZ-204 certification exam.
Sep 2022	**Microsoft Certified: Azure Data Fundamentals** - Demonstrated knowledge of core data concepts and related Microsoft Azure data services by passing the DP-900 certification exam.
Jul 2022	**SysTrack Certified (Engineer, Administrator, Technician)** - SysTrack is a digital experience monitoring solution that gathers and analyses data on everything that may impact end-user experience and business productivity.
Jun 2022	**Microsoft Certified: Azure AI Fundamentals** - Demonstrated knowledge of machine learning (ML) and artificial intelligence (AI) concepts and related Microsoft Azure services by passing the AI-900 certification exam.
Aug 2021	**Microsoft Certified: Azure Fundamentals** - Demonstrated knowledge of cloud concepts, Azure services, Azure workloads, security and privacy in Azure, as well as Azure pricing and support by passing the AZ-900 certification exam.

TECHNICAL SKILLS						
	Django & Python	Proficient	**Microsoft Azure**	Intermediate	**Flask**	Intermediate
	Vue.js & Nuxt.js	Proficient	**Machine Learning & Data Science**	Intermediate	**Video-Editing (Final Cut Pro, Adobe Premiere Pro)**	Intermediate

LANGUAGES	**Malay**	Native speaker	**English**	Highly proficient	
REFERENCES	**Yeoh Wee Fan** Director, TMX Validation & Transition COE Dell Technologies Wee_Fan_Yeoh@Dell.com		**Assoc. Prof. Dr. Siti Hafizah Ab Hamid** Final Year Project (FYP) Supervisor & Senior Lecturer Faculty of Computer Science and Information Technology Universiti Malaya sitihafizah@um.edu.my		