ABDUL RAHMAN

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PROGRAMMING SKILLS: Java, Python, C, Assembly language, Keras, Tensorflow, scikit-learn, Android, L^{A}T$_E$X, Verilog, SQL, Elasticsearch, logstash, kibana, HTML

EDUCATION

National University of Singapore (NUS)   **08.2015 - Present**
-   B.Eng. (Computer Engineering), GPA – 4.32/5 .0 (Honours – Distinction)
-   Awarded full merit-based bond free Scholarship by Temasek Foundation Nurtures

Student Exchange Programme (SEP), ETH University, Switzerland   **02.2017 – 08.2017**
-   Development of Machine Learning applications through specialized coursework
-   Competed in Kaggle competitions and ranked as one of the top in the class

Temasek Polytechnic   **04.2010 – 05.2013**
-   Diploma in Information Technology with Merit, GPA – 3.92/4 (9 Distinctions and 14 A's)
-   Diploma Plus – Minor in Psychology Fundamental
-   Director's List in Academic Years 2010-2012 for being in the top 5% of the cohort

RELEVANT EXPERIENCE

Software Engineer Intern, VISA Worldwide Pte Ltd, Singapore   **05.2018 – Present**
-   Conceptualized and Developed data visualization dashboard for Marketing department to visualize promotion data using elasticsearch, logstash and kibana to promote digital commerce and expand reach of VISA brand
-   Designed front-end responsive web design for FIFA 2018 promotions web application

Teaching Assistant – National University of Singapore, Singapore   **01.2018 – 04.2018**
-   Mentor computer engineering students machine learning in their capstone design project to build a wearable device that tracks and predicts dance moves using IoT sensors

Application of Reinforcement Learning in Weather Routing – Dissertation   **08.2017 - Present**
-   Produced Novel approach to optimize vessel's velocity to reduce fuel consumption rate while meeting port schedules under harsh weather conditions using Q-learning and regularized recursive least square estimation

Data Science
-   Built time series classification for IoT sensors using LSTM model to classify 10 dance moves with 98% accuracy
-   Built CNN and RNN models to classify Italian hand sign images with 80% accuracy on dataset of 65K records

Software Development
-   Designed and Developed Android supplication app with media playback and push notification features using Firebase and Java, resulting in more than 350,000 downloads in Google play store
-   Lead a team, conceptualized and developed a Java Desktop To-do list application that can be entirely managed by keyboard shortcuts without requiring a mouse to target advanced users

CONSCRIPTION

Emergency Ambulance Medic (National Service) – Singapore Civil Defence Force   **06.2013 – 06.2015**
-   Provided fast patient service, life support and ambulatory care to extremely ill and injured patients in a stressful and constantly changing environment

COMMUNITY ENGAGEMENT

Nagore Dargah Indian Muslim Heritage Centre (NDIMHC), Singapore   **12.2015 – Present**
-   Volunteer as a curator to engage and share with the local visitors and tourists about the rich history, culture, traditions of Tamil language and contributions of our pioneers to the nation of Singapore

ADDITIONAL INFORMATION

-   Proficient in Tamil and English, and basic knowledge of Japanese and Arabic
-   Actively Pursues Hiking and Cycling