

# Sheikh Abdur Raheem Ali

<http://sheikheddy.wordpress.com>

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## EDUCATION

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- **American University of Sharjah** Sharjah, UAE  
*Bachelor of Science in Computer Science; GPA: 3.35* *Sep. 2017 – Dec. 2020*
  - **Minor in Data Science**
  - **Minor in Applied and Computational Mathematics**

## EXPERIENCE

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- **American University of Sharjah** Sharjah, UAE  
*Research and Teaching Assistant* *Sep 2019 - Present*
  - **Research Assistant - Machine Learning:** Worked at the Department of Mathematics and Statistics to write a review paper of feature selection and dimensionality reduction techniques.
  - **Teaching Assistant - Statistics for Data Science:** Involved in creating handouts, grading exams and conducting python tutorial sessions.
- **in5 Innovation Center** Dubai Internet City, Dubai, UAE  
*Software Engineering Intern* *Jul. 2018 – Aug. 2018*
  - Lead a (now defunct) AI Startup's efforts to upgrade their chatbot from an RDBMS to a graph database.
- **Solutions Middle East** Sheikh Zayed Road, Dubai, UAE  
*Technology Sales Intern* *Jul. 2016 – Aug. 2016*

## AWARDS

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- **2<sup>nd</sup> place (USD 35,000) @ HITB<sup>+</sup> CyberWeek AI Challenge:** Captain of a team including students from Harvard and UToronto that used genetic algorithms to modify existing malware to defeat virus detection agents.
- **1<sup>st</sup> nationally, 3<sup>rd</sup> internationally @ 2019 Omnicom Media Group Data Science Competition:** Presented a real life analytics problem (click fraud), our solution, & business context point of view to CEOs & Department Heads.
- **1<sup>st</sup> prize @ HSBC Programming Challenge:** Modeled credit risk using machine learning techniques.
- **Full Scholarship @ European Summer Program on Rationality:** Invited to the UK to attend seminars on topics related to applied mathematics, AI safety, and cognitive science. Taught by ex-Google employees and MIT graduates.
- **World Topper @ ACER IBT :** Perfect score. Received award for excellence, letter of honor, trophy, and cash prize.

## PROJECTS

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- **PACE Bed Management System:** Sponsored by the Ministry of Health & Prevention to lead a team to create an interactive dashboard to visualize and predict trends using live patient data collected from 1849 beds at 17 hospitals.
- **Queue'r:** Used Node and Express to create a smart queue management and ticketing solution. Shortlisted for the Show & Tech 2019 exhibition. To be sold to the Cashier department of the American University of Sharjah.

## ACTIVITIES

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| • <b>Invited Speaker @ IEEE UAE Cyber Intelligence Summit 2019</b> | • <b>Outstanding Debater @ AUS Debating Competition</b> | • <b>Team Leader @ Heriot Watt Programming Competition</b> |
| • <b>Participant @ Dubai Customs AI Hackathon</b>                  | • <b>Winner (1200 AED) @ Battle of Majors</b>           | • <b>Delegate @ AUS/AUD Model United Nations</b>           |
| • <b>Contributor @ Mathematics of Machine Learning</b>             | • <b>Finalist @ Al Noor Assistive TechX Hackathon</b>   | • <b>Member @ UPE Honor Society</b>                        |

## PROGRAMMING SKILLS

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- **Languages:** Python, C++, SQL, Java, Javascript, Matlab **Technologies:** Linux, Git, SciPy, PyTorch,  $\text{\LaTeX}$