

Sheikh Abdur Raheem Ali

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EDUCATION

- **American University of Sharjah** Sharjah, UAE
Bachelor of Science in Computer Science; GPA: 3.28 *Sep. 2017 – Dec. 2020*
 - **Minor in Data Science**
 - **Minor in Applied and Computational Mathematics**

PROGRAMMING SKILLS

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

EXPERIENCE

- **Dubai Electronic Security Center** Cyber Intelligence Lab, University of Dubai, Dubai, UAE
Data Science Intern *Dec 2019 - Jan 2020*
 - Worked on tools to process honeypot/darknet network traffic, classify it as malicious or misconfigured, cluster similar activities and predict future campaigns.
- **American University of Sharjah** Academic City, Sharjah, UAE
Research and Teaching Assistant *Sep 2019 - Present*
 - **Research Assistant - Machine Learning:** Worked at the Department of Mathematics and Statistics to implement Sobol indices with independent or dependent inputs and analyze results for feature selection.
 - **Teaching Assistant - Statistics for Data Science:** Involved in creating handouts, grading exams and conducting python tutorial sessions for third and fourth year students. Held office hours by appointment.
- **in5 Innovation Center** Dubai Internet City, Dubai, UAE
Software Engineering Intern *Jul. 2018 – Aug. 2018*
 - Lead an AI Startup's efforts to upgrade their hospitality chatbot from an RDBMS to a graph database.
- **Solutions Middle East** Sheikh Zayed Road, Dubai, UAE
Technology Sales Intern *Jul. 2016 – Aug. 2016*
 - Underwent training in tech products (incl. Citrix, VMWare, Nutanix) at an enterprise system integrator.

AWARDS

- **2nd place (USD 35,000) @ HITB⁺ 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.
- **1st nationally, 3rd internationally @ 2019 Omnicom Media Group Data Science Competition:** Presented a real life analytics problem (click fraud), our solution, & interpretation of results to CEOs & Department Heads.
- **1st prize @ HSBC Programming Challenge 2019:** 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

- **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

- **Invited Speaker @ IEEE UAE Cyber Intelligence Summit 2019:** Conference talk on AI and cybersecurity.
- **Contributor @ Mathematics of Machine Learning:** Acknowledged on page 5 for finding bugs in the textbook.