Sheikh Abdur Raheem Ali

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EDUCATION

American University of Sharjah — Sharjah, UAE
Bachelor of Science in Computer Science; GPA: 3.31 — *Sep. 2017 – Dec. 2020*

EXPERIENCE

Microsoft Corporation — (Remote) Redmond, WA, USA
Software Engineering Intern, Vendor via Pactera US — *Jul 2020 – Oct 2020*
- Independent contractor building new anti-spam features for Office 365's Advanced Threat Protection.

SWVL — Swvl Headquarters, Dubai, UAE
Cloud Engineering Intern (Strategic Finance) — *Feb 2020 – Apr 2020*
- Optimized a rideshare app startup's financial analytics using AWS EC2 and Google Cloud BigQuery ML.
- Rewrote the backend for their projections. Models went from taking minutes to train to seconds.
- Added support for entering holidays to be treated differently in the forecast, reducing RMSE by 28.6%
- Designed & developed a convenient way to compare financial performance for different time periods.
- Worked closely with the growth team to measure operations & progress in Egypt, Kenya, & Pakistan.

Dubai Electronic Security Center — Cyber Intelligence Lab, University of Dubai, Dubai, UAE
Data Science Intern — *Dec 2019 – Jan 2020*
- Worked on classified internal machine learning tools and datasets at a government funded research lab.

American University of Sharjah — Academic City, Sharjah, UAE
Research and Teaching Assistant — *Sep 2019 – Dec 2019*
- **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*
- Led an AI startup's efforts to upgrade their hospitality chatbot from an RDBMS to a graph database.

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.
- **Invited Speaker @ IEEE UAE Cyber Intelligence Summit 2019**: Conference talk on AI and cybersecurity.
- **Active Student Scholarship @ Office of Student Affairs**: One of 9/5112 undergraduates recognized for extraordinary contributions to student life (including Clubs & Organizations, Leadership, and Community Services).

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.

PROGRAMMING SKILLS

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