

Ahmed Ashkar

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PROFESSIONAL EXPERIENCE

Technology Consultant – Technology Transformation – Ernst & Young (EY) *McLean, VA • 07/2021 – Present*

- Led a data intensive workstream to understand an industry leading energy client's current application portfolio and data center presence across 5+ data center locations within a span of four weeks
- Utilized Python, Microsoft Excel, Power BI, and Tableau to analyze and derive key insights from over 250,000 rows of technical data and presented findings to senior client leadership
- Led and managed an offshore data analytics team to derive valuable insights that were shared with client executives
- Utilized modules in Terraform scripts to deploy cloud infrastructure resources in the AWS environment
- Analyzed various AWS cloud architectures to ensure scalability, resilience, and fault tolerance
- Proposed switching to Reserved Instances to achieve ~\$200,000 in cost savings in a leading healthcare client's AWS cloud
- Identified cost optimization initiatives to help a leading healthcare client achieve a \$33 million savings target for FY22

Digital Lighthouse Advisory Intern – KPMG *McLean, VA • 06/2020 – 08/2020*

- Participated in data literacy, client-ready, and technical writing trainings
- Networked with lead Senior Management and Partners in my practice to learn more about their roles within the firm

Strategic Innovations Group Solutions Intern – Booz Allen Hamilton *McLean, VA • 06/2019 – 08/2019*

- Developed an innovative method where drones facilitate automated communication to streamline the process of airfield damage detection and repairment
- Utilized dronekit python API to create a simulation of the projected solution utilizing multiple drones
- Designed and built website presented in final demonstration using HTML, CSS, and JavaScript
- Utilized hardware such as the NVIDIA Jetson TX2 and Raspberry Pi to GPU optimize machine learning models

PROFESSIONAL CERTIFICATIONS

- Amazon Web Services Solutions Architect Associate (March 2022)
- HashiCorp Certified: Terraform Associate (April 2022)

PROJECTS

Smart Mirror Development Project *August 2022*

- Installed and programmed a Raspberry Pi into a wooden frame to serve as the main source of code for the Smart Mirror
- Customized the individual modules in the Magic Mirror code to personalize the mirror to adhere to client needs

HBCU Battle of the Brains Hackathon – Team Lead/Developer *Houston, TX • 03/2019 & 11/2020*

- Lead a team of students to ensure high quality and timely deliverable submission by implementing an expedited Agile methodology
- Storyboarded and produced an android application using Android Studio and Java

TMCF OFC Innovation & Entrepreneurship – Technologist *Durham, NC • 05/2018*

- Served as the only developer on the team and rapidly learned Swift programming and common iOS development techniques
- Storyboarded and developed an app that managed a user's grocery list to enhance their shopping experience
- Presented the app to a panel of judges in a creative storytelling format that received plentiful positive feedback

LEADERSHIP & ACCOMPLISHMENTS

- **President** of the Bowie State University National Society of Black Engineers (NSBE) Chapter (May 2019 – May 2021)
- Thurgood Marshall College Fund Bowie State University **Student Ambassador** (Jan 2019 – May 2021)
- **President** of Bowie State University College of Arts and Sciences Task Force (Aug 2020 – May 2021)
- **Co-founder** of Bowie State University College of Business Task Force
- **Volunteer** at Patriots Technology Training Center (Aug 2018 – Present)
- **Dean's List** recipient (Aug 2017 – May 2021)

EDUCATION

B.S. - Computer Science, GPA-3.7, Declared Minor: Business Administration

Bowie State University, 2021

SKILLS

Technical Skills: Power BI, Tableau, SQL, Microsoft Excel, AWS Services/Architecture, Web Development, Linux/UNIX, Bash

Management Skills: Business Proficient in Microsoft PowerPoint, Agile Project Management, Jira, Kanban, Budget Management