Permanent Address

Akshat Chopra

New York, NY 10017   571-277-5061 • akshatchopra321@gmail.com

https://www.linkedin.com/in/akshatchopra321 • https://akshat263.github.io/akshat_website/

EXPERIENCE

KPMG US   **McLean, VA**
Technology Risk Associate   *June 2021 – Present*

- Lead workstream of 7 associates to annually test 103 IT controls designed to mitigate risks for loans with a $2.9 trillion impact, ensuring Sarbanes-Oxley compliance for a secondary mortgage firm
- Facilitate meetings with control owners and up to 12 client personnel to pinpoint workflow gaps and offer actionable recommendations, uncovering 75+ vulnerabilities and improving operational efficiency
- Execute top-down risk assessments at the financial statement level, utilizing materiality to ensure comprehensive coverage of risks and vulnerabilities in the organization's financial framework
- Automate testing of IT controls by re-creating data migration processes in Tableau for 13.6 million loans and developing SAS codes with embedded SQL queries, resulting in a 20% reduction in budgeted hours
- Conduct comprehensive code reviews of 8 SAS and DataFlux codes per month to assess their functionality and ensure their efficacy, leading to a 25% acceleration in control delivery
- Support project management by budgeting hours and reporting progress and delays for 103 IT controls
- Evaluate 82 controls designed to prevent financial inaccuracies and improper authorizations across 7 workflows and 38 sub-workflows for a national airport security company

KPMG Data Citizens with Purpose   **McLean, VA**
Data Scientist   *March 2022 – June 2023*

- Analyzed data for a non-profit firm's outreach program spanning 500 zip codes using Python libraries such as NumPy and Pandas to identify key trends and insights, increasing member sign-up rate by 21%
- Identified lower retention rates among girls with special needs and collaborated with the client to implement targeted program adjustments that achieved a 10% increase in their retention rates

Fidelity Investments   **Durham, NC**
Data Engineer Intern   *May 2019 – August 2019*

- Automated the rehydration process for 3 application clusters used by Fidelity's Data Engineering teams by leveraging Ansible playbooks and Linux commands, producing a 900% increase in process efficiency
- Composed an Ansible playbook to automate the procedure of downloading and installing Docker on Ubuntu and RHEL machines, cutting installation time from 1 hour to 10 minutes

PROJECTS

- Titanic: Predicted with 76% accuracy if a given passenger would live or die through data wrangling and applying Scikit-learn to build machine learning models (https://akshat263.github.io/Titanic-Project/)
- Carol Lee Donuts Website: Coded a fully functional website for a local business from scratch in which users can place and edit online orders through a connecting database (https://youtu.be/EMJdqIRTxuQ)

EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)   **Blacksburg, VA**
Bachelor of Science, dual degrees in Business Information Technology and Finance   *Graduation: May 2021*

- Graduated Summa Cum Laude with a cumulative GPA of 3.83/4.00
- Awarded the L.J. Moore Outstanding Achievement Award in April 2021

SKILLS

- Technical Skills: Python (5 yrs), SQL (5 yrs), Tableau (3 yrs), SAS (3 yrs), Java (2 yrs), Linux (2 yrs)
- Languages: Fluent in Hindi and English