

Shaandro Sarkar

✉ contact@shaandro.com | 🏠 shaandro.com | 📧 shaandro | 📺 shaandro | 🐦 @tadbhivism

Industry Experience

VW Credit, Inc.

Herndon, Virginia

DECISION SCIENCES ANALYST

May 2022 – Present

- Developed machine learning models using XGBoost to set residual values for leased vehicles.
- Automated financial reporting processes using SAS and Python, decreasing process completion times by up to 80%.

Nanoinformatics

Richmond, Virginia

UNDERGRADUATE RESEARCH ASSISTANT IN NATURAL LANGUAGE PROCESSING

January 2020 – May 2022

- Automated statistical analysis for named-entity recognition annotation files by developing the Python script brat-kappa.
- Expedited analysis of full-text academic papers using machine learning algorithms by developing the Python package KrimpaTool.
- Collaborated with undergraduate and graduated students to implement machine learning models in medical text classification.

Other Experience

VCU Campus Learning Center

Richmond, Virginia

TUTOR

January 2020 – May 2022

- Strengthened communication skills by tutoring undergraduate students in mathematics, statistics, Spanish, and Chinese in one-on-one and group settings.
- Improved leadership and bilingual communication skills by leading and recruiting participants for a weekly Spanish-language conversation group.

VCU Votes

Richmond, Virginia

SOCIAL MEDIA MANAGER (TWITTER)

August 2020 – December 2020

- Managed online communications via Twitter to increase student voter turnout.
- Accrued over 80,000 impressions and 3,750 engagements in three months using data-driven post scheduling and content creation.
- Analyzed and reported Twitter analytics data using Excel to VCU faculty and administration.

VCU Honors Summer Undergraduate Research Program

Richmond, Virginia

RESEARCHER FOR THE GEOMETRY OF THE QUANTUM SATISFIABILITY PROBLEM, UNDER DR. MARCO ALDI

May 2020 – August 2020

- Developed criteria for whether an instance of the quantum satisfiability problem is solvable using algebra and graph theory.
- Presented results at a symposium open to the public.

VCU Department of Mathematics and Applied Mathematics

Richmond, Virginia

TEACHING ASSISTANT

August 2019 – December 2019

- Graded student work and held weekly review sessions for College Algebra.

Education

Virginia Commonwealth University

Richmond, Virginia

BS IN MATHEMATICS AND STATISTICS

GPA 4.0

- Concentrations in Mathematics and Statistics
- Honors College and Global Education Certificate Program
- **Relevant Coursework:** Statistical Consulting, Statistical Computing, Regression, Probability Theory

Skills

- Technical** Python (NumPy, Pandas), R (tidyverse, R Markdown, Quarto), SQL, SAS, HTML, CSS, LaTeX
- Applications** Tableau, Microsoft Office, Google Applications, IBM SPSS Statistics
- Languages** Fluent in English, Bengali, Spanish, and Portuguese; Proficient in Hindi, Urdu, and French