ARSHIYA ANSARI

DATA-DRIVEN · CODE-BASED

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EDUCATION

University of Virginia   *Charlottesville, VA*
Bachelor's in Computer Science, Bachelor's in Statistics, Master's in Data Science   *Aug 2016 - May 2021*
Cumulative BA GPA: 3.71 | CS GPA: 3.82 | Statistics GPA: 3.83
Cumulative MS GPA: 3.85

Stone Bridge High School / Academy of Science   *Ashburn, VA*
Honors: National Honor Society, National Merit Scholar   *Sept 2012 - Jun 2016*
Cumulative Weighted GPA: 4.21

EXPERIENCE

Apple   *Cupertino, CA*
AI/ML Intern: Autonomous Systems   *Jun 2020 - NOW*
- Introduced new functionalities to improve performance to existing ETL processes and SQL queries for ground truth data set generation
- Migrated ground truth data set generation from a heavy, deeply-nested data schema to a light-weight alternative
- Developed infrastructure for scalable and maintainable data set generation using Presto SQL, Apache Spark, and Kubeflow
- Added new features to the ground truth data sets for more robust and efficient machine learning model training and evaluation

Capital One   *McLean, VA*
Software Engineering Intern   *Jun 2019 - Aug 2019*
- Implemented a live time-series forecasting algorithm utilizing deep neural networks for Capital One's internal data ETL engine
- Constructed an anomaly detection program for the performance metrics of the internal ETL engine via an automated Python script
- Established an anomaly alert functionality to indicate real-time performance issues to the ETL engine software development team

Hack Cville Data Science Agency   *Charlottesville, VA*
Lead Student Data Scientist   *Aug 2018 - May 2019*
- Worked with a team of five UVA students to identify patterns and analyze insights in datasets for local businesses in the Charlottesville area
- Consolidated business data into organized and structured databases and transformed the data for further use with SQL
- Created and integrated accurate data models to aid in business growth with the use of Pandas and R

CGI Federal   *Fairfax, VA*
Technical Consultant Intern   *Jun 2018 - Aug 2018*
- Corresponded with clients at the Center for Medicare and Medicaid Services for data analysis requests on healthcare insurance information
- Identified and reconciled 20 different bugs in the database by querying and analyzing data with Oracle SQL Developer
- Devised 5 new report templates in Cognos using Oracle SQL Developer to aid in easier delivery of data to clients
- Analyzed and corrected bugs for data flow and extracts using Informatica

PROJECTS

Mental Health ChatBot Application   *Charlottesville, VA*
1st Place in ChatBot Category and 1st Place Overall at UVA Diversity Hackathon   *Apr 2018*
- Developed a JavaScript-based ChatBot application to check-up and store information about mental and physical statistics about UVA medical students. Engaged as a task-reminder, resource tool, and personal journal.

Independent Research: Attachment of Quantum Dots to Cancer Cells   *Sterling, VA*
1st Place Physics Regional Science Fair | Leidos Honorable Mention | Yale Engineering Honor   *Sept 2014 - Jun 2016*
- Programmed and secured the attachment of the manufactured quantum dots to solely pancreatic cancer cells and not healthy pancreatic cells by the overexpression of the PAR1 antibody receptor on cancer cells.

COURSES

Computer Science Discrete Math, Software Development, Machine Learning, Databases, Cloud Computing, AI, Algorithms
Mathematics Data Analysis, Regressional Analysis, Probability, Linear Algebra, Multivariate Calculus

SKILLS

Programming Python, SQL, Apache Spark, Java, AWS, R, SAS, C++, Assembly, Kubeflow
Analytic Tools Cognos, Mathematica, MatLab, Microsoft Excel, LaTex
Languages English, Spanish, Hindi, Urdu, Telugu
General Photography, public speaking, mentoring, writing, film production, dancing
Activities Women in Computing Sciences, Society of Women Engineers, Hack Cville (Program Coordinator), Madison Volunteer House, Indian Student Association