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 GPA: 3.71 | CS GPA: 3.90 | Statistics GPA: 3.83

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

University of Virginia   *Charlottesville, VA*
Software Development Methods TA   *Aug 2019 - NOW*
- Assisting in teaching the undergraduate class "Software Development Methods (CS2110)" with over 500 enrolled students by holding weekly office hours and lab sections
- Writing homework and exam material on Java concepts that tests both conceptual and programming understanding

Capital One   *McLean, VA*
Software Engineering Intern   *Jun 2019 - Aug 2019*
- Implemented a live time-series forecasting algorithm using deep neural networks for Capital One's internal data ETL engine
- Developed 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 insights in datasets for local businesses in the Charlottesville area
- Consolidated business data into organized and structured databases and effectively transform the data for further use with SQL
- Developed 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
- Ran over 100 reports in Cognos that met specific client requirements and displayed data accurately
- Identified and reconciled 20 different bugs in the database by querying and analyzing data with Oracle SQL Developer
- Developed 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, Java, SQL, R, SAS, C++, Assembly
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