



Aparna V. Kaliappan

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Aparna is a graduate of the University of Maryland, Baltimore County's Computer Science Master's Program. She spent her time in college developing skills in various computer programming languages such as Python, C, C++, SQL, Java, HTML, CSS, JavaScript, AngularJS, MariaDB, OpenGL, Scheme, and Lisp, and operating systems such as Windows and Linux. She immersed herself in numerous projects that required a deep understanding of intricate programming concepts as well as thorough research. Her notable data analytics projects include a pilot study for quantitative data visualization in compartmented force-directed graphs using calibrated columns, an analysis of the k-mismatch problem in online and offline settings, and research regarding copyright, piracy, and digital rights management in the music industry.

At DisputeSoft, Aparna assists in drafting expert, rebuttal, and investigative reports by reviewing disputed source code, databases, and computer systems, writing object-driven scripts and SQL queries, and conducting data analyses regarding source code quality and architecture. She also has experience with performing source code comparisons, running static code analyses using tools such as Checkstyle, JArchitect, PMD, SonarQube, and Understand, and analyzing operating system source code. Her thorough understanding of object-oriented computer concepts and relational databases allows her to effectively assist clients in the technical and analytical aspects of software related matters.

CERTIFICATIONS

Oracle Database SQL Certified Associate
Project Microsoft Technology Associate (MTA):
Database Fundamentals

EDUCATION

M.S., University of Maryland, Baltimore County
B.S., *summa cum laude*, University of Maryland,
Baltimore County