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| Sofia Dutta |
| Aspiring Data Scientist and Machine Learning Engineer | Email: [sofiad1@umbc.edu](mailto:sofiad1@umbc.edu) |
| Summary |
| * Aspiring Data Scientist and Machine Learning Engineer * 7 years of experience in Software Development and Data Analysis   + Oracle Fusion and Human Capital Management (HCM) Certified Specialist   + Techno-functional Consultant with 7 years of experience as a Software Developer.   + Team leader, Software Requirement Analyst, Software Designer/Developer, Technical writer. |

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| Education |  |  |
| Current – 2019 | Graduate degree in **Data Science**, UMBC, Baltimore, USA | 4.0/4.0 |
| 2010 – 2006 | Undergraduate degree in **Computer Science and Engineering**, WBUT, India | 3.5/4.0 |

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| Projects Completed for Data Science |
| * Comparison of Word2vec and Doc2Vec model driven Sentiment Analysis using SVM, LR, Keras CNN, Bidirectional LSTM with and without pre-trained Word and Document Embeddings ([GitHub](https://github.com/sofiadutta/sofiadutta.github.io/tree/master/data-science-project-notebooks/sentiment-analysis)) |
| * Data characterization of Baltimore City Employee Salaries ([GitHub](https://github.com/sofiadutta/sofiadutta.github.io/blob/master/data-science-project-notebooks/exploratory-data-analysis/Data_Analysis_Baltimore_City_Salaries.pdf)) *to study income inequality in Baltimore City Government* |
| * Data characterization of New York City Film Permits ([GitHub](https://github.com/sofiadutta/sofiadutta.github.io/blob/master/data-science-project-notebooks/exploratory-data-analysis/Data_Analysis_NYC_Film_Permits.pdf)) *to figure out where my favorite movies being shot at* |
| * Data characterization of New York City Fire Department data ([GitHub](https://github.com/sofiadutta/sofiadutta.github.io/blob/master/data-science-project-notebooks/exploratory-data-analysis/Data_Analysis_NYC_Fire_Department.pdf)) *to find impactful events through a data analytics path* |

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| Work Experience | |
| 2018 – 2010 | **Software Developer and Data Analyst** at Tata Consultancy Services Ltd., India |

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| AwardS RECEIVED @ TCS |
| * DHL 2014 Eminence & Excellence award for exceptional performance in project. * TCS Gems “Champions of ILP” Award for outstanding contributions to the org at **TCS ILP Training** |

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| Projects COMPLETED for TCS Clients | |
| Feb’18–Jan’17 | Commercial Bank of Dubai, UAE |
| Job Title | Computer Consultant |
| Responsibilities | * Created/modified Oracle Fast Formulas as per client requirements. * Configured and setup Oracle Fusion HCM (Core HR) functionalities like approval process of resignation, termination, change location, change manager, transfer, and promotion, payroll management, leave management, performance rating calculation * Helped meet client SLA requirements. Prepared and performed unit test plans. * Prepared functional, technical and setup documents. Handled calls with client for requirement and change analysis. |
| Nov’16–Sep’16 | Kaiser Permanente, USA |
| Job Title | Computer Consultant |
| Responsibilities | * Configured and setup Oracle Fusion HCM (Core HR) functionalities. * Helped meet client SLA requirements. Prepared and performed unit test plans. * Prepared functional, technical and setup documents. Handled calls with client for requirement and change analysis. |
| Jun’16–Feb’16 | Hyatt-Oracle R12 Rollout, USA |
| Job Title | Software Developer and Data Analyst |
| Responsibilities | * Developed PL/SQL stored procedures as per client requirements. * Worked on inbound/outbound client interfaces. * Worked on ACH payment, invoice management and HRMS configuration for clients. * Helped meet client SLA requirements. Prepared unit test plans. * Analyzed and reviewed functional specifications (MD50), prepared Technical Specification (MD70), migration scripts and installation documents (MD120). * Handled calls with client for requirement and change analysis. |
| Feb’16–Jun’15 | Staples, USA |
| Job Title | Software Developer and Data Analyst |
| Responsibilities | * Developed PL/SQL stored procedures as per client requirements. * Worked on inbound/outbound client interfaces. * Worked on ACH payment, invoice management for clients. * Helped meet client SLA requirements. Prepared unit test plans. * Analyzed and reviewed functional specifications (MD50), prepared Technical Specification (MD70), migration scripts and installation documents (MD120). * Handled calls with client for requirement and change analysis. |
| Jun’15–Jan’14 | DHL, UK |
| Job Title | Software Developer and Data Analyst |
| Responsibilities | * Developed PL/SQL stored procedures as per client requirements. Gathered technical requirements and interface specifications from client-side system administrators. Handled HRMS and Payroll configuration and administration. * Provided support for client data migration from legacy Oracle Applications (11i) to Oracle ERP Suite (R12). * Worked on inbound/outbound client interfaces. Handled production environment deployment. Helped meet client SLA requirements. * Analyzed and reviewed functional specifications (MD50), prepared Technical Specification (MD70), migration scripts and installation documents (MD120). * Prepared unit test plans and performed, bug fixes, system integration testing user-acceptance testing. Handled calls with client for requirement and change analysis. |
| Jan’14–Sep’13 | Tata Steel, India |
| Job Title | Software Developer and Data Analyst |
| Responsibilities | * Developed PL/SQL stored procedures as per client requirements. * Created unit test plans and technical design documents (MD70). |
| Sep’13–May’13 | IHCL - R12 Reimplementation, Taj Hotel, Mumbai |
| Job Title | Software Developer and Data Analyst |
| Responsibilities | * Developed PL/SQL stored procedures as per client requirements * Handled changes to reports, forms and database components. * Handled data migration activities. * Provided technical Support during integration and user acceptance testing. |
| May’13–Apr’13 | CMCL - Oracle ERP R12 Implementation, Star Cement, Kolkata |
| Job Title | Software Developer and Data Analyst |
| Responsibilities | Developed PL/SQL stored procedures as per client requirements |
| Apr’13–Jun’11 | Bangladesh Railway Oracle Apps, Bangladesh Railway, Bangladesh |
| Job Title | Software Developer |
| Responsibilities | * Developed PL/SQL stored procedures as per client requirements * Developed report generation packages for payroll management * Handled application system administration and configuration management. * Created Unit test plans and technical design documents (MD70). |

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| Technical Skills | |
| Platforms | Unix, Windows | |
| ERP Packages | Oracle Fusion 11, Oracle Applications (R12 & 11i) | |
| ERP Modules | Oracle Fusion: Human Capital, Talent and Absence Management, Exit Modules  Oracle Apps: HRMS, Payroll, Receivables, Purchasing, Inventory, Payables | |
| Databases | Oracle (9i, 10g, 11g) | |
| Languages | SQL, PL/SQL, Java, .Net | |
| Tools | PL/SQL Developer, Toad for Oracle, JDeveloper, XML Publisher Reports, Workflow Builder, Reports & Forms, Oracle Report Builder, Oracle Form Builder, Oracle Workflow Builder | |

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| Certifications completed |
| * Oracle 9i SQL (1Z0-007) * Oracle 9i PL/SQL (1Z0-047) * Oracle Database 11g: Advanced PL/SQL (1Z0-146) * Oracle E-Business Suite 12 Financial Management Implementation Specialist: Receivable (1Z0-518) * Oracle Fusion HCM Base Cloud Service 2016 Implementation Essentials (1Z0-329) * Oracle Global Human Resources Cloud 2017 Implementation Essentials (1Z0-965) * Oracle Talent Management Cloud 2017 Implementation Essentials (1Z0-966) |