

## 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.

### EDUCATION

Current – 2019	Graduate degree in <b>Data Science</b> , UMBC, Baltimore, USA	4.0/4.0
2010 – 2006	Undergraduate degree in <b>Computer Science and Engineering</b> , WBUT, India	3.5/4.0

### 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)
- Data characterization of Baltimore City Employee Salaries (GitHub) *to study income inequality in Baltimore City Government*
- Data characterization of New York City Film Permits ([GitHub](#)) *to figure out where my favorite movies being shot at*
- Data characterization of New York City Fire Department data (GitHub) *to find impactful events through a data analytics path*

### WORK EXPERIENCE

**2018 – 2010** | Software Developer and Data Analyst at Tata Consultancy Services Ltd. (TCS), India

### 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

### PROJECTS COMPLETED FOR TCS CLIENTS

Feb'18–Jan'17 Job Title Responsibilities	Commercial Bank of Dubai, UAE Computer Consultant <ul style="list-style-type: none"> <li>• Created/modified Oracle Fast Formulas as per client requirements.</li> <li>• 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</li> <li>• Helped meet client SLA requirements. Prepared and performed unit test plans.</li> <li>• Prepared functional, technical and setup documents. Handled calls with client for requirement and change analysis.</li> </ul>
Nov'16–Sep'16 Job Title Responsibilities	Kaiser Permanente, USA Computer Consultant <ul style="list-style-type: none"> <li>• Configured and setup Oracle Fusion HCM (Core HR) functionalities.</li> <li>• Helped meet client SLA requirements. Prepared and performed unit test plans.</li> <li>• Prepared functional, technical and setup documents. Handled calls with client for requirement and change analysis.</li> </ul>
Jun'16–Feb'16 Job Title Responsibilities	Hyatt-Oracle R12 Rollout, USA Software Developer and Data Analyst <ul style="list-style-type: none"> <li>• Developed PL/SQL stored procedures as per client requirements.</li> <li>• Worked on inbound/outbound client interfaces.</li> <li>• Worked on ACH payment, invoice management and HRMS configuration for clients.</li> <li>• Helped meet client SLA requirements. Prepared unit test plans.</li> <li>• Analyzed and reviewed functional specifications (MD50), prepared Technical Specification (MD70), migration scripts and installation documents (MD120).</li> <li>• Handled calls with client for requirement and change analysis.</li> </ul>
Feb'16–Jun'15 Job Title Responsibilities	Staples, USA Software Developer and Data Analyst <ul style="list-style-type: none"> <li>• Developed PL/SQL stored procedures as per client requirements.</li> <li>• Worked on inbound/outbound client interfaces.</li> </ul>

	<ul style="list-style-type: none"> <li>• Worked on ACH payment, invoice management for clients.</li> <li>• Helped meet client SLA requirements. Prepared unit test plans.</li> <li>• Analyzed and reviewed functional specifications (MD50), prepared Technical Specification (MD70), migration scripts and installation documents (MD120).</li> <li>• Handled calls with client for requirement and change analysis.</li> </ul>
Jun'15–Jan'14 Job Title Responsibilities	<p>DHL, UK</p> <p>Software Developer and Data Analyst</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Provided support for client data migration from legacy Oracle Applications (11i) to Oracle ERP Suite (R12).</li> <li>• Worked on inbound/outbound client interfaces. Handled production environment deployment. Helped meet client SLA requirements.</li> <li>• Analyzed and reviewed functional specifications (MD50), prepared Technical Specification (MD70), migration scripts and installation documents (MD120).</li> <li>• Prepared unit test plans and performed, bug fixes, system integration testing user-acceptance testing. Handled calls with client for requirement and change analysis.</li> </ul>
Jan'14–Sep'13 Job Title Responsibilities	<p>Tata Steel, India</p> <p>Software Developer and Data Analyst</p> <ul style="list-style-type: none"> <li>• Developed PL/SQL stored procedures as per client requirements.</li> <li>• Created unit test plans and technical design documents (MD70).</li> </ul>
Sep'13–May'13 Job Title Responsibilities	<p>IHCL - R12 Reimplementation, Taj Hotel, Mumbai</p> <p>Software Developer and Data Analyst</p> <ul style="list-style-type: none"> <li>• Developed PL/SQL stored procedures as per client requirements</li> <li>• Handled changes to reports, forms and database components.</li> <li>• Handled data migration activities.</li> <li>• Provided technical Support during integration and user acceptance testing.</li> </ul>
May'13–Apr'13 Job Title Responsibilities	<p>CMCL - Oracle ERP R12 Implementation, Star Cement, Kolkata</p> <p>Software Developer and Data Analyst</p> <p>Developed PL/SQL stored procedures as per client requirements</p>
Apr'13–Jun'11 Job Title Responsibilities	<p>Bangladesh Railway Oracle Apps, Bangladesh Railway, Bangladesh</p> <p>Software Developer</p> <ul style="list-style-type: none"> <li>• Developed PL/SQL stored procedures as per client requirements</li> <li>• Developed report generation packages for payroll management</li> <li>• Handled application system administration and configuration management.</li> <li>• Created Unit test plans and technical design documents (MD70).</li> </ul>

## 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

## 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)