Arul Murugan R

Email:arulmurugan.r@hotmail.com | Mobile:+91-9025691718/8144668060

Passionate business analyst professional with exposure in big data analytics targeting challenging assignments to apply acquired knowledge

PROFILE SNAPSHOT
- Experienced BA professional in gathering requirements to incorporate customer elements in analytical modeling across multiple big data sources
- Qualified in identifying, developing and documenting Business and Functional Requirements from Business and Requirements groups
- Proficient in writing user stories, business process flows and maintaining/preparing backlogs
- Creating screen mockups, creating customer documentation and guides.
- Expertise in analyzing & interpreting big data and articulating business insight to derive machine learning models
- Visualizing high-volume, high-dimensionality data for complex quantitative analysis and analytics.
- Delivered lectures on Business Intelligence, Big Data Analytics, Artificial Intelligence, Software Engineering, Data Structures.

CORE COMPETENCIES
✓ Requirement Elicitation	✓ Agile Business Analysis	✓ Business and Data Modeling	✓ UI Mockups
✓ BI & Big Data Platforms	✓ Machine Learning	✓ Predictive Analytics	✓ Data Visualization

TECHNICAL SKILL SET
- BI Suites : Tableau, TIBCO Jaspersoft,Pentaho.
- Programming Languages : Java, Python, R, PHP
- Development IDE : Eclipse, Net Beans, Anaconda,Jupyter,Spyder
- Database : Oracle R12, MariaDB, MongoDB,MS Access
- Database IDE : Oracle SQL Developer, TOAD, phpMyAdmin, MySQL Workbench.
- Big Data Ecosystems : Hadoop, Map Reduce, HDFS, Hive, Pig, Sqoop, Flume

FUNCTIONAL SKILLS
- User stories, BRD, FRD and SRS
- UI Mockups designing in MS Paint, Balsamiq and MS Visio
- Use Case Scenarios, Test cases, and Traceability Matrix
- Agile and Incremental Build Model Methodology

CERTIFICATIONS & TRAININGS
- Splunk Certified User
- NPTEL certification in Software Engineering
- UpGrad certification in Data Analytics
- EMC Academic Associate certification in Data Science and Big Data Analytics.
- FEP on Big Data and Analytics by Infosys Limited
- FDP on Advanced Methods in Data Science and Big Data conducted by ICTACT and EMC
- FDP on Hadoop conducted by ICTACT and Hortonworks
- Conference on Business Analytics conducted by Indian Statistical Institute, Chennai

ORGANIZATIONAL EXPERIENCE

Industry

Sabbatical | Vee Technologies | March 2018- May 2018
- Gathered business requirements from customer-specific engagements to prioritize customer needs for developing POC's
- Has contributed in developing POC's for machine learning projects through industry-academia collaboration program to Vee Technologies.
- Supported as Big Data subject matter expert in deriving machine learning model for a web-based platform.

POC's:

➜ Personalized recommendation system for e-learning model finds the best learning resources through recommendation to students in their regional language.

➜ Clickstream analysis in e-commerce identifies behavior pattern and profiles of users interacting with the website for usage pattern analysis.

Intern(Business Analyst) | Antillo CS| December 2014-May 2015

- Assist with the data migration process by analyzing and correcting various data integrity issues and ensuring uniformity across all data fields
- Performed various ad-hoc projects in the maintenance of existing client data including creating clients, user moves and disabling of client profiles
- Assist with the end to end project management of reporting and ETL development projects within the team

Project:

➜ Integrating Elasticsearch with MariaDB in the existing event management system and assist with the data migration process from Solr by ensuring uniformity across all data fields

Software Engineer | iGate Global Solutions | Aug 2012-Jan 2013

- Communicated with client and functional team to understand and capture the requirements accurately.
- Designed and developed service API to integrated clients PVR process with the Quote Approval Workflow which helped approver to take decision while approving the quote request
- Customized various standard approval workflows to send notifications to approve quote request

Project:

➜ NetApp R12 Implementation for integrating clients PVR process using customized service API for standard Quote Approval Workflow and to send notification to the approver hierarchy and its delegates generated by AME at various stages.

Software Developer | Superfect Solutions | Aug 2011-Jul 2012

- Prepared Technical design document, test case document, installation document based on Oracle OUM methodology
- Designed and developed new custom workflows using OAM, personalization and extensions after gathering the requirements, identifying risks and resolving issues at all client levels based on order to cash cycle

Project:

➜ Developing generic reusable functionalities to be used with standard API for various oracle modules-Oracles Inventory, Oracle Purchasing, Accounts Payables, Accounts Receivables, and Order Management

Academic

Assistant Professor | Sona College of Technology| June 2016-Till Date

- Delivered engaging lectures to undergraduate students on Artificial Intelligence, Big Data Analytics and Software Engineering.
- Conducted field research with clients and targeted users to create epics ,user stories and functional/non-functional specifications based on new requirements
- Worked with the development team in creating ad-hoc reports according to the requirements
- Completely involved in R&D projects under the Centre for Data Mining and Database Technology(SonaMINE)

Projects:

➜ Monitoring and Advisory System for Diabetes Patient Management-stores the patient's information as Electronic Health Records (EHR) in MongoDB from which the healthcare professionals monitor patient KPIs using dynamic and interactive dashboards monitor patient's in near real-time

➜ Designing curriculum in detecting breast cancer uses machine learning in the context of selecting sequential decision tasks in the curriculum.

➜ Learning Management System (Moodle) for teaching learning process and collect user interaction within the platform to analyzes the data using machine learning algorithms to perform dashboards analysis

Assistant Professor | KSR College of Technology| June 2015-Apr 2016
- Taught courses on Big Data Analytics and Natural Language Processing
- Analyzed business processes, and user requirements to establish Moodle and KSRCT CMS
- Managed and administered Academic Management System and Moodle as a part of KSRCT CMS team

EDUCATION

- M.Tech. (Information Technology) from K.S.R. College of Engineering, Tiruchengode in 2015 with 8.96 CGPA
- B.Tech. (Information Technology) from K.S.R. College of Engineering, Tiruchengode in 2011 with 8.00 CGPA

PERSONAL DETAILS

- Languages Known   : English and Tamil
- Date of Birth   : 10-09-1990
- Address   : 2/1 Peraman Street,Kitchipalayam,Salem-636015.