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| core24x24icons **Key Skills** | | |  | knowledge24x24icons **Profile Summary**  **YAMSHEE FATIMA**  **Senior Data Scientist**  Comprehensive experience in Analytics, Problem Solving, architecting and conceptualization for enterprise wide solutions with alignment of business/information systems delivering technology-driven solutions using cutting edge Big Data technologies.    yamsheefatima9@gmail.com  +91-8286016790/+91-87798-05914  [**https://www.linkedin.com/in/yamshee-fatima/**](https://www.linkedin.com/in/yamshee-fatima/)[**https://github.com/Yamshee**](https://github.com/Yamshee) |
| |  | | --- | | Data Science, Machine Learning, AI | |  | | Business Analytics and BI, Forecasting | |  | | Python, Java | |  | | Tableau, Qlik Sense | |  | | Solutions Architecting | |  | | Functional/Technical Analysis | |  | | Team Building & Leadership | |  | | | | * 7.10 years of experience in Analytics and AI /ML Project & Product development currently associated with Hinduja Global Solutions, Bangalore. * 4 years of experience in Analytics and AI /ML. * Expertise in developing, implementing & delivering various Analytics and data science projects and products. * Experienced in Healthcare Analytics, Image Analytics, OCR, Web, and Social media Analytics and NLP. * End to End Analytics Product /Solutions Development using Agile Methodology. * Extended experience in Client Interaction, Production Issue Resolution, and Team Mentoring. * Skilled in understanding the Problem Statement, converting it into solutions. * Proficient in developing effective relationships with clients, an effective leader in working with cross-cultural teams. |
| career24x24icons **Career Timeline** | | | | |
| Hinduja Global Solutions  **Senior Data Scientist**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  | Zycus Infotech Pvt Ltd.  **Software Engineer** | |  | |  | | | **2013-2015** | | **2015-2017** | | **2017-Till Date** | | |  |  | | Rolta India Limited  **Senior Software Engineer** | |  | | | | | | |
| softskills24x24icons  **Soft Skills** | | |  | Description: edu24x24icons  **Education** |
| Communicator Innovator  Thinker  Collaborator Intuitive  softskills24x24icons  **Technical Skills**  **Analytical Tools:** Python  **Visual Analytics:** Tableau, Advanced Excel, D3.js  **Big Data Tools :** Cassandra, MongoDB, Kafka, Spark.  **RDBMS :** Oracle, SQL Server, MySQL  **Framework :** TensorFlow  **Others :** Java,OpenCV, Tesseract, Django, Angular, Docker.  **Computer Vision:** Image Transformations, Thresholding, Canny Edge Detector, Image segmentation, Template matching, filters, OMR, OCR, Face detection, Invoice Processing | | |  | * **B.E. (Computer Science & Engineering)** from Uttar Pradesh Technical University,2008-2012 with 75%. * XII from ISC, Lucknow with 90%. * X from ICSE, Lucknow with 85%.   Description: edu24x24icons  **Training/Certification**   * Artificial Intelligence and Machine Learning E-Degree from Eduonix. * Programming for Everybody - Python, University of Michigan from Coursera. * Introduction to Cloud Computing from edX. * OpenCV Course from Udemy. * Getting Started with Elasticsearch from Udemy. * Introduction to Linux from edX. * Certified Java programming language by NIIT. * Agile Methodologies program organized by Zycus Infotech Pvt. Ltd.   Description: edu24x24icons  **Notable Accomplishment**   * Innovation Award 2019 in HGS for Image Analytics Development. * Received accolades in Rolta for addressing security issues in Rolta products. * Received Organization Excellence awards in Zycus for Excellent Productivity and Overall Achievement. * Received customer focus award in Zycus for resolving significant number of production legacy issues. |
| exp24x24icons  **Work Experience**  **May’17 till Date**  **Feb’15-May’17**  **Jan’13-Jan’15** |  | **Hinduja Global Solution, Bangalore**  **Project: Text Analytics on the call centre data (Call Transcript) for *Windstream*. *Aug.’20-till date***  *Objective:*  *Speech and text analytics on the call center data*   * Classifying the calls as Fresh or repeat call using classification ML algorithm. * Build the ML algorithm to do the text classification and topic analysis on the call transcripts. * Emotion detection and sentiment analysis. * Application of CFG to check whether the transcript is logical and grammatical correct. * Visualization of the Analytics output on dashboard.   **Project: Data Extraction from the Arabic letters (NLP).**  ***Feb.’20-Aug.20***  *Objective:*  *Data extraction from the Transaction slip and Guarantee Letters of* ***Bank of Saudi Fransi.***   * Understanding the data (letter of guarantee and letter of reconciliation scanned pdf (Arabic)). * Extraction of the text in Arabic using tesseract. * Text mining on the Arabic text and key value extraction. * Applied Custom NER on the Arabic language for the recognition.   **Project: Document Classification (NLP).**  ***Sep.’19-Nov’19***  *Objective:*  *Document Classification of* ***HUMANA*** *MHK Appeal Documents.*   * Collected, analyzed and studied raw data from the appeal documents present in the form of images, medical reports, handwritten letters, claim and appeal forms. * Developed and implemented the classification model which increased the productivity, efficiency of the grievance and appeal department.   **Project: Retail Allocation (Computer Vision and Azure Vision API).**  ***Jun’19-Present***  *Objective:*  *Build Image Processing solution for* ***[Redington Gulf pay cheques data.](https://redingtongroup.com/mea/contact-us/)***   * Extraction of details from handwritten and digital Bank cheques using tesseract and Azure vision API respectively. * Image preprocessing and image correction using OpenCV. * Packaged the solution in form of web application on Django Framework.   **Project: Invoice Processing and Analytics (Computer Vision).**  ***Jan’19-Present***  *Objective:*  *Build Cognitive Image Processing OCR for retail invoices* for **Al-Rawabi Dairy Company.**   * Extraction of digital and handwritten text for analysis and RPA from invoices (JPEG, PNG format) of different format after image pre-processing (Open CV) using tesseract. * Using Fast RCNN Model for Tabular Text object detection. * Designed and deployed the solution into the form of executable.   **Project: Real Time Click Stream Analytics**  ***Aug’18-Dec’18***  *Objective:*  *Build a Streaming Analytics Stack with Apache Kafka and Elasticsearch*.   * Real-time analytics on the log of the In-house application streaming data and logs * Used Apache Kafka for delivery of streams to the Elasticsearch, an analytics engine. * Social Media Opinion Mining and Analytics on real-time Twitter Feeds for HGS to understand the brand value.   **Project: HealthCare Analytics (Client: Humana).** ***Jan’18-July’18***   * Data Analytics and Data Visualization of the performance of the Post Pay Query and Control Limits using Tableau. * Exploratory Data Analysis (EDA) and Development to Financial Recovery Analysis Model for Post-Pay. * Infrastructure set up for handling analytics requirements on the HUMANA-HGS environment.   **Project: Post-Call Survey Data Analytics (Client: Humana)**. ***Jun’17-Dec’17***  *Objective: To Reduce calls to the contact center by identifying the grievance reported in surveys*   * **Accessibility insights:**Day trend analysis, traffic analysis, pattern analysis on call drivers. * Identifying customers satisfaction through analysis of emotional content from survey feedback using Sentiment Analysis. * Link Analysis of the tags after performing Lexical Processing (Tokenisation, stemming, Canonicalization phonetic Hashing), Syntactic Processing (POS Tagging), Topic Modelling (used NLTK Package.) * Development of web-based application using d3.js and angular.js for visualization of model output.   **Rolta India Limited, Mumbai**  **Product: Data Science Workbench  *Feb’15-May’17***  *Objective: Development of web-based data science platform to explore, prepare, refine, analyze big data interactively with exploratory, diagnostic and predictive algorithms using CRISP-DM Framework using Java, Python, Angular Js and d3.js*   * Requirement gathering, design & development of the analytical products and solutions. * Development of data preparation and data cleansing (Missing Value & Outlier Detection and Imputation) layer   and model output visualization layer.   * Integration on the various data sources like Oracle, SAP Hana, MSSQL, MYSQL MongoDB and Cassandra. * Implementation of generalized form of Diagnostic and Predictive machine learning algorithms. * Integration of Apache Zeppelin,a web-based interpreter that enables interactive data analytics. * Cache layer implementation for Meta Data storage. * Management of Product release life cycle. * R&D on new technologies and frameworks. * POC and RFP on the analytical problems. * Presentation of the analysis using Tableau.   **Project: Severn Trent Water**  ***Jun’16-Dec’16***  *Objective: To Predict total leakage and total consumption of water.*   * Analytical solution for water sustainability for DSR. * Customer site leakage is solved by applying Machine Learning algorithm to form customer profiles and Time-series to find the pattern of Consumption. * NVD3 chart and BO dashboards used for reporting of the analysis and prediction.   **Zycus Infotech Private Limited, Mumbai *Jan’13-Jan’15***  **Responsibility:**   * Data Preparation and Multidimensional OLAP Cube Creation and pushing it on the Microsoft Analytics services MSAS for analysis and reporting purposes. * Automation Framework Development using Selenium and Java. * Resolving customer issues filed on the iAnalyze Product. * Security testing, manual and automation Testing of the application. * Release management and deployments. | | |