 **DETAILS** 

Kerala, India

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[reethu7@gmail.com](mailto:reethu7@gmail.com) **Nationality :** Indian

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 **PRIMARY SKILLS** 

Python/R/Java , SQL, Machine Learning (Supervised/Unsupervised/ Reinforcement Learning, Dimensionality Reduction) Deep Learning(CNN, RNN, LSTM)

Natural Language

Processing.

**ML/DL Libraries** 

Scikit-learn, SciPy, NLTK , Gensim , tensorflow,Keras Weka/Oracle Data Miner.

**Deployment Tools** 

Anaconda, IPython Notebook/Jupyter,R Studio

**Other Skills** 

Flask , Flasgger -API development ,OpenCV, Oracle In-DB ML- Algorithms, Git , Project Planning , Testing.

**REETHIMA R**

**SENIOR DATA SCIENTIST**

**PROFILE**



A demonstrable track record (4+ years) in using technology (Python, AWS, ML tool kits like Spacy/NLTK/Transformers/OpenCV/scikit-learn, cx\_Oracle etc.) and Machine learning concepts to deliver state-of-the-art software solutions to meet business objectives. Expertise in classical ML algorithms/ Deep Learning algorithms and core statistics focused in NLP/ Machine Vision. Exposure to trends in Knowledge Graphs/Explainable AI. Looking forward to potential Machine learning opportunities that can utilize my experience and skills gathered over the last 4 years.



**EDUCATION**

* M-Tech – Machine Learning, Amrita University with 9.05 CGPA ( June 2012 — July 2014).
* B-Tech – Computer Science Engineering, University of Kannur with first class (August 2008 — June 2012)

**Publication and Achievements**

* The paper Semantic Integration of Heterogeneous Relational Schema using multiple L1 Linear Regression and SVD published in IEEE.
* The paper A Method to Induce Indicative Functional Dependencies for Relational Data Model published in conference, ICACCI-2014- Springer, Delhi.



• Completed the certification course in Coursera “Neural Networks and Deep Learning"

offered by deeplearning.ai from Stanford University Instructors.

* Rewarded President Guide award of Baharat Scouts & Guides.

**EMPLOYMENT HISTORY**



**Senior Data Scientist at Quantiphi Analytics**, Bangalore, India April 2021 — Present



* Claims Adjudication - Build an AI/ML based automation system to replace human efforts and to reduce time in claim adjudication with minimal error for supplemental insurance company- Aflac. Technologies Used - Python/AWS/Sparql. Build a Bidirectional LSTM network, ALBERT model for NER, Relational Extraction respectively. Exposure to Ontology Graph Loading and Graph Endorsements.

**Data Scientist at Oracle Financial Software Services**, Bangalore, India March 2019 — April 2021



* End to End Research and Development of Natural Language Tool Kit- Building a NLP product which will scan customer email, pdf and automate all the necessary action based on that. We have used both CRF, classifiers(naive Bayes/ logistic regression) for NER , document classification respectively.
* SimCheck - Similarity checking between input data and DB Resident data using statSim library (frequency rank algorithm) from oracle labs .
* Product Recommendation- Implemented a model for existing customer recommendation using Item Based Collaborative Filtering and K-means clustering for new Customer Segmentation.
* Admin Console- A generic API for Machine Learning admin API using python libraries and Flask API development.
* Invoice to Cash Prediction in Oracle Business Supply Chain Finance -Design and development of a logistic regression model to predict the delay in cash payment.
* Cash flow prediction for Oracle Business Cash Management - Design and development of a linear regression model to predict the cash inflow.



**Data Scientist at JMR Infotech,** Bangalore, India.

September 2016 to March 2019

* Fraudulent Transactions- Designed an anomaly detection model using isolation forest Algorithm combined with basic text mining methods using NLTK library.
* Sale Forecast- Implemented a model using ARIMA for forecasting the sale of an organization.



**INTERESTS**

* Natural Language Processing - Conversational AI, Intelligent cognitive communication.
* Cooking - Love to prepare various Indian cuisines with creativity.