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| **Ragavendren Ramani**  Data Scientist  **Professional SUMMARY**   |  | | --- | | * Accomplished Data Scientist with more than 10 years of experience in developing data driven solutions in banking domains. * Hands on experience from working extensively on the **NLP and deep learning projects** from preprocessing raw datasets to complete model development. * Industrial experience in developing complete Data science model lifecycle, involving Data cleaning and validation, EDA, **Feature engineering, Model development** and post model deployment OOT analysis. |   **Work EXPERIENCE**   |  | | --- | | **Maveric systems Limited (**JUN 2021 – Present) | | **Standard Charatered Bank, Chennai** | | **APPLICATION FRAUD DETECTION PROJECT** | | * Built **Random Forest machine learning model** for a country from Story board level, which involves communicating with Business right from the Data Collection stage. * Performed Data Extraction, cleaning and Validation, EDA, **Feature selection, PSI and CSI calculation** to measure model stability using PySpark. * Performed feature engineering and Model development using Feedzai Pulse Auto ML tool. * Performed Post model development **OOT analysis** to determine the performance and stability of Model post deployment. |  |  | | --- | | **Oracle Financial Services Software(**Sep 2011 – may 2021) | | **Research Projects (Deep Learning):**  Q&A SYSTEM  Built Question Answering system using QANet **Transformer** model, which combines Local Convolution with Global Self-Attention for Reading Comprehension using BIDAF and trained the model using SQuAD 2.0 dataset.  TRANSLATION MODEL  Built Language Translation model to translate text from English to French using **Attention and Seq to Seq decoder model**.  CHATBOT  Built Chatbot using **LSTM with Attention and Beam search decoder** and trained the model using Movie dialogues data set.  SENTIMENT ANALYSIS SYSTEM  Built many Sentiment analysis models using different type Neural Networks like **LSTM, CNN, Bag of words** attaining upto 88% accuracy in the models.  GAMEBOT USING REINFORCEMENT LEARNING  Built an AI agent which plays Cart pole game using Reinforcement Learning by applying **Bellman’s Equation**.  **ORACLE FLEXCUBE PROJECT:** | | * Worked as Banking Product support engineer, which involves analyzing and fixing issues reported in the Financial banking software application Flexcube. * Have sufficient in-depth knowledge and experience in working with PL/SQL, SQL and Oracle Database. * Handled huge amount of data to find patterns and extract relevant information to identify the root cause of the issues reported. * Individually handled and supported the client CTBC bank, Taiwan on client’s location. * Individually handled and supported many offshore Banking clients across Middle East, Europe and JAPAC region. * Lead the team of Junior Associates to achieve their goals and shine in their roles by constantly providing feedback. |   **Accomplistments**   |  | | --- | | * Appreciation Emails from SCB Application Fraud Detection team management for successfully developing the model for a country. * Assisted some of the Business Teams in framing the NLP models from research papers. * Placed within the top 10% of the participants in Analytical vidya’s and kaggle competition. * My below Medium articles got published in the Analytical Vidya([How does a Single Neural Network?](https://medium.com/analytics-vidhya/how-does-a-single-neural-net-works-163cdd7740f8))and Data Driven Investor Medium pages respectively([QANet Model](https://medium.com/datadriveninvestor/challenges-faced-while-implementing-the-qanet-model-and-its-solutions-1e9d17c3b563)) |   **EDUCATION**   |  | | --- | | **Bachelor of Electronics and Communication Engineering.**  **Anna University, Chennai** | | Saveetha engineering college — (2007-2011) | | |  | | --- | | **Personal details** | |  | | **Chennai, Tamil Nadu, India** | | **Phone:**  +91 7904814372 | | **Email :** [iamragavendren@gmail.com](mailto:iamragavendren@gmail.com) [Image result for github logo png"](https://github.com/iam-Raghav) |  |  | | --- | | **Skills Summary** | |  | | **Languages:** | | PYTHON, SQL, PLSQL, C, SHELL | |  | | **Machine Learning:** | | Linear And Logistic Regression, Decision Tree, Gbm, Random Forest, K-Means, KNN, SVD, Naïve Bayes. | |  | | **Deep Learning**:  ANN, RNN, CNN, LSTM, GRU, Transformers, BIDAF, TransformerXL, Highway Networks, Reinforcement learning  **Frameworks:**  Pytorch, Keras, Torchtext, Tensorflow, NLTK.  **Libraries:**  Pandas, Scikit-learn, Numpy, Scipy, Seaborn, Matplotlib, Flask, RE, OpenAi.  **Tools:**  Pyspark, Jupyter, Colab, Kaggle, Jira.  **Specialization:**  Natural Language Processing(**NLP** ), Predictive Modeling.  **Database:**  Oracle, PostGreSql DB  **Testing Tools:**  Postman, Rest APIs | |