



Balakrishnan Ramakrishnan (Strategy Analyst)

Professional Goals

A passionate individual with a knack of problem solving. I am a graduate with experience in owning all stages of data science projects from inception through monitoring and closing to deliver projects that exceeded expectations ontime and budget. I am data-driven with high affinity to learn new tools and technologies with demonstrated experience in deriving insights from data, visualizing as well as building and deploying machine learning models in production. My ability to proactively identify problems and react quickly has been appreciated in all the projects and roles I have worked in so far. My customer-centric attitude, the ability to grasp technical knowledge quickly combined with strong management and communication skills are my greatest strengths. Hands-on experience working in data science projects in fintech domain and deep learning projects at the university. Looking forward to improve my skills in this domain.

Get in touch!

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Work Experience

Strategy Analyst (Data Science)**Redcarpet. | (May 2020 – Mar 2021)**

- Contributed to Operational Improvement of the customer success team by implementing new workflows which increased the operational efficiency to 90%.
- Performed Data Analysis on historical debt recovery campaigns data and strategized new campaigns based on driven insights which increased recovery rate by 20% and automated recovery reports .
- Sourced credit bureau data and built credit limit model which increased revenue to 1 billion USD using Machine Learning algorithms
- Automated the payroll system and increased salary disbursal efficiency to 95%.
- Independently managed the development, implementation, evaluation and deployment of AI chatbot using Google's Dialogflow in coordination with external teams which increased customer query resolution rate to 93%.

Academic History

M.Sc. in Digital Engineering (Computer Science)

Otto von Guericke University, Magdeburg, Germany . | 2018 – Present

B.E. in Automobile Engineering

Saveetha Institute of Medical and Technical Sciences, Chennai, India | 2013-2017

PROJECTS

IndexHorizon: A Deep Reinforcement Learning Solution for Index Selection (OvGU Magdeburg). | (May 2019-Jun 2019)

The project tries to address the unanswered question: Can deep Reinforcement Learning Agents be trained to perform index selection? The project is not close to complete autonomy, but it proves as a baseline for further improvements. The findings are conveyed in the project report.

Link : <https://github.com/kishanbala/IndexHorizonEnv>

Tools / Platforms Used : Python, PyTorch, Jira, Flask, HTML + CSS, SC3, Git

Automated Detection of MRI Biomarkers of Cerebral Small Vessel Disease (OvGU Magdeburg). |

The goal of this project is to automatically detect the presence of biomarkers from unstructured data (MRI Images) of the various regions of the human brain using Deep learning. The project was deployed as a web application for the use of doctors at University Hospital

Link : https://github.com/kishanbala/CSVD_Segmentation

Tools / Platforms Used : Python, PyTorch, Jira, Flask, HTML + CSS, SC3, Git.

Automated prediction of movement of prices of stocks listed in NSE (Own Project)

The goal of this project is to predict the closing price of a stock based on the open price for the day. I used different regression models to compare the performance of each prediction. The model was served as a simple local web implementation using Flask. The details are uploaded here.

Link : <https://github.com/kishanbala/stock-price-prediction>

Tools / Platforms Used : Python, Flask, Git.

COMPETENCIES

Technical:

Python, SQL, Git, Docker, Scikit-learn, PyTorch

Core:

Leadership, Communication skills, Innovation, Planning, Coordination

Cloud computing:

AWS

Key personality traits:

Problem analysis, Flexible, Goal oriented, Project ownership, Customer oriented

LANGUAGES SPOKEN

English:

Native

German:

Beginner