

## PERSONAL PROJECTS

### Loan prediction (2019)

- Deployed a Flask API on Heroku capable of predicting the loan approval status based on the user profile. Feature engineered, selected and tuned machine learning models to increase its performance.
- Predicted the applicant status with an accuracy of 82% by using random forest model. Used: Flask, Flasgger.

### Banking behaviour scorecard (2019)

- Built a banking behaviour scorecard model based on 2395 features per account to predict the credit risk of customers. Pre-processed, transformed and applied oversampling techniques on the imbalanced dataset.
- Achieved an f1-score of 0.8498 on the final leaderboard. Used: scikit-learn, XGBoost

## EMPLOYMENT

Product development engineer	Envestnet	July 2017- Aug 2019
Financial planning team		
<ul style="list-style-type: none"><li>• Programmed and maintained Java based solutions for company's flagship wealth management product.</li><li>• Initiated a proof of concept work on fine-tuning customer risk profiling by implementing prediction algorithms, resulting in 10% improvement on account creation workflow.</li><li>• Presented and documented my project implementations to respective stakeholders.</li><li>• Out of 39 team members, selected as the top 3 to be conferred with Star of Quarter award, Q1-2019.</li></ul>		

## ADDITIONAL EXPERIENCE AND AWARDS

- **Kaggle Expert (Kernels & Discussions):** Currently ranked 375 out of 105,658 Kagglers on kernels track.
- **HDFC Machine Learning Challenge:** Top 6% out of 4330 participants.  
Predicted the credit risk of HDFC's internal customers by building a model through user liability account.
- **Facebook - PyTorch Udacity scholarship:** Top 300 out of 10000 participants.  
Awarded with Udacity deep learning nano degree scholarship sponsored by Facebook artificial intelligence.
- **Kaggle Data notes:** 2nd best kernel of January, my kernel (co-worked with Sachin Dev S) "Malaria detection using PyTorch" was featured as the 2nd best kernel on Kaggle for January 2019.
- **Prime Minister's scholarship:** Among all India merit list of 5500 students  
Received scholarship amount of Rs.48000 for the year 2013 to 2015 based on academic performance.

## EDUCATION

Course	Institution	Year	Remarks
PG diploma in Data Science	Great Lakes Institute of Management	2019	Pursuing
B. Tech in Information Technology	University of Kerala	2017	7.47

## VOLUNTEERING EXPERIENCE

- **School of AI, Trivandrum (2019):** Organized 9 community events and directly managed 21 organizers.
- **Code Jam (2017):** Facilitated an inter-college coding competition with 25+ participants across Kerala.

## Languages and Technologies

- **Languages:** Python; Java
- **Libraries:** Pandas; Numpy; Matplotlib; Seaborn; scikit-learn; Flask; PyTorch
- **Database:** MySQL; SQL Server
- **Others:** Tableau; Git; Jupyter notebook; Sonar; Jira; Visual Studio;