

Vivek Kumar

Systems Engineer, Infosys Ltd

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Summary:

Systems Engineer with 1.3 years of experience in deploying end-to-end machine learning projects using Python in small teams. Recognized with an Insta award by Infosys for valuable consultation provided to its client, Goldman Sachs.

Experience:

Infosys Ltd

June 2017 – Present

Responsibilities

1. Liable for AI consultation to Infosys data analytics teams as well as Infosys clients.
2. Mentored 3 teams of IIT M. Tech/M.Sc. fresh hires on their final training projects namely credit risk rating, renewable energy economics and demographic survey exploration.

Projects

1. Building a technical stream recommendation system for Infosys fresh hires. [Ongoing]
Impact: To reduce churn rate (a confidential percent of employee turnover due to randomly mapped streams).
2. Lead a team of 4 to analyze sentiments of trainees' feedback data per stream of past 10 years. Pandas, NLTK, Tableau.
Impact: Delivered improvement areas (programming, database, testing and coding standards) to respective streams for further action. Reformed feedback questions for next trainee batch.
3. Lead a team of 2 to automate essay scoring written by trainees, with work ranging from feature generation to model selection. Resultant model achieved a performance of **86%**. Dask, NLTK, Scikit-learn.
Impact: Model is deployed along with Infosys essay scoring service provider's model to compare their future preciseness.
4. Deployed an automated platform to verify machine learning solutions for Infosys internal ML certification. Created new ML questions, their test-cases and forming containers. R, Git, noVNC, HTML/CSS.

Training

Trainee – Infosys Ltd

Dec 2016 – May 2017

Research intern – University of Delhi

Jan 2016 – June 2016

Education

Bachelor of Technology with Honors, **80.37%** | Electronics and Communication Engineering, DIT, UTU

2016

Intermediate/+2, CBSE, **92.40%**

2012

Matriculation, CBSE, **9.8/10**

2010

Personal projects

1. One shape fits all: Presently, working on GANs to automate digital mannequin dressing.
2. Infosys Gauss Hackathon: Sales forecasting of 110 brands using ARIMAX followed with Bayesian optimization.
3. Multi-Terrain Swarm Robotics System: To capture terrain depth in land & water. CICT, 2018. Soon on IEEE Xplore.
4. Minors: WhatsApp group chat analyzer, call history analyzer, e-retail websites web-scraper & LinkedIn dashboard.

Skills

ML and DL concepts: Regression, classification, clustering, ensemble methods, regularization, CNN, RNN and GAN.

Technologies and tools: Python3, R, MATLAB, Oracle SQL, Linux, Git, MS Office.

Major libraries: Numba, Numpy, Pandas, Seaborn, Scikit-Learn, NLTK, Tensorflow, Keras, ggplot2, rvest (web scraping).

Interests

1. Maintains a public github repository to share my personal work on AI related technologies.
2. Active on data science platform and groups available in Kaggle, LinkedIn, Stackoverflow and Facebook.
3. Recently attended ML conferences: RedHat's DevConf and Intel's AI DevCon.