

# Vivek Kumar

[vivekjaglan@outlook.com](mailto:vivekjaglan@outlook.com); +91-7417828768; [www.aivic.github.io](http://www.aivic.github.io); Mysore, KA, India

---

## Summary:

- Rich experience in deploying end-to-end machine learning projects and delivering actionable business insights.
- Proficient in data science technologies like python, R, SQL and shell scripting.
- Consultant to Fortune 100 companies on the forefronts of AI technologies.

## Key projects:

1. **Feedback Sentiment Analysis** *Pandas, NLTK, TextBlob, Flask, Seaborn, Tableau*
  - a. Outlined improvement areas of Infosys's 40 training courses from 8 years of trainees' feedback data.
  - b. Built and deployed the Vader sentiment model along with the presentation of insights to track leads.
  - c. Impact: Courses' review teams to improve upon weak areas. Reformed feedback questions for next trainee batch.
2. **Automated Essay Scoring** *Dask, NLTK, Matplotlib, Scikit-Learn*
  - a. Designed an automated essay scoring solution for Infosys learning platform – Wingspan.
  - b. Generated 15 features from essays to build a multiple linear regression model with a performance of **92.03%**.
  - c. Impact: Deployed solution relieved the need of manual labor for essay scoring.
3. **Automated Machine Learning Certification** *R, Git, noVNC, HTML/CSS*
  - a. Established an automated machine learning certification for Infosys assessment platform.
  - b. Developed 4 machine learning problems, solutions and test-cases in R. Populated containers to deploy dockers.
  - c. Impact: Introduced internal machine learning certification in Infosys.
4. **Course Ranking System** *[On-going]*
  - a. Designing a system to rank courses for new trainees based upon past trainees' performance on allocated courses.
  - b. Future Impact: To establish high propensity towards course tracks and remove existing random mapping system.
5. **Others**
  - a. Gauss Hackathon: Forecasted number of sales for 110 brands using SARIMA model. Tuned hyperparameters using Bayesian optimization. *Python, Pandas, Statsmodels*
  - b. Multi-Terrain Swarm Robotics System: Prototyped a swarm system to capture depth of land/water terrain using particle swarm optimization. Presented in CICT, 2018. To be available on IEEE Xplore. *AVR, C, MATLAB*
  - c. One shape fits all: Designing a model to automate digital mannequin dressing using GANs. *[On-going]*

## Experience:

### Systems Engineer – Infosys Ltd

June 2017 – Present

1. Provide analytical and predictive modelling solutions with actionable insights to clients based on their business needs.
2. Develop internal artifacts on AI technologies based on business requirements.

## Training and Education

Systems Engineer Trainee, Infosys Ltd, **82%**

December 2016 – May 2017

Research Intern, University of Delhi, **91.9%**

January 2016 – June 2017

Bachelor of Technology with Honors, **80.37%** | ECE, DIT, Uttarakhand Technical University

2016

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

2012

Matriculation, CBSE, **9.8/10**

2010

## Concepts and 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.

## Accolades and Interests

1. Recognized with an **Insta** award by Infosys for valuable consultation provided to its client, Goldman Sachs.
2. Appreciated by delivery manager **twice** by exceeding expectation on assigned projects.
3. Active on data science platforms and conferences like Kaggle, Github, RedHat's DevConf and Intel's AI DevCon.