**Vivek Kumar**

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**Work Experience**

**Systems Engineer – Infosys Limited** December 2016 – Present

* Provides professional guidance and services to internal units based on AI project requirements.
* Provided week-long data science consultation using python to the audit team of Goldman Sachs, Bangalore on-site.
* Presently, mentoring 3 juniors and also preparing artifacts to travel for a project in Infosys, Australia.

**Consultant – Pluralsight (Remote)** December 2018 – Present

* Blueprint reviewer of AI courses written in python.
* Construct objective questions on python tools and packages related to data analysis and machine learning.

**Key projects**

1. **Feedback Sentiment Analysis**, **Infosys Ltd** *Pandas, Hive, NLTK, TextBlob, Seaborn, Tableau*
   * Outlined improvement areas of company’s 40 training courses from 8 years of trainees’ feedback data.
   * Built and deployed a sentiment analysis model along with the presentation of insights to track leads.
2. **Automated Essay Scoring**, **Infosys Ltd** *Dask, NLTK, Matplotlib, Scikit-Learn*
   * Designed an automated essay scoring solution for Infosys learning platform – Wingspan.
   * Constructed 15 features and compared various regression models to arrive at a tuned model performance of **92.03%**.
3. **Automated Certification Platform**, **Infosys Ltd**  *R, Git, noVNC, HTML/CSS*
   * Established an automated machine learning certification for Infosys Assessment Platform (IAP).
   * Developed 4 machine learning problems, workflows and test-cases in R. Further, populated containers for Docker.
4. **Multi-Terrain Swarm Robotics System, University of Delhi** *AVR, C, MATLAB*

* Prototyped a swarm system to capture depth of land and water terrains using particle swarm optimization algorithm. Presented the paper in CICT, 2018 and available on [IEEE Xplore](http://www.goo.gl/BtFvzn).

1. **Pet Projects** *Data Analysis, Data Visualization, Machine Learning, Deep learning*

* Developed [tutorials](https://aivic.github.io/learning-resources/) from scratch without any plagiarism on Python, R, SQL and discrete mathematics.
* [11 major case studies](https://aivic.github.io/AI-projects/) – NYC Taxi demand prediction (Kaggle) | Microsoft malware detection (Kaggle) | Facebook friend recommendation using graph mining | Netflix movie recommendation system | Amazon fashion discovery engine | Quora question pair similarity system | Stack Overflow tag predictor | Human activity recognition | AI generated music | Self-driving car | Personalized cancer diagnosis.

**Skills and Courses**

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| **Primary skill**: | Python3 *– NumPy, Pandas (****expert****), Matplotlib, Seaborn, Scikit-Learn, NLTK (****NLP****), Keras (****deep learning****)* |
| **Complementary skills:** | R, Oracle SQL, Apache Hive, Tableau, Linux, Git, MS Office. |
| **Soft skills:** | Storytelling, Team player, Mentoring, Public speaking, Excellent in English communication. |
| **Courses:** | Probability and Statistics, Linear Algebra, Advanced Machine Learning, Deep learning, Time Series Analysis, Exploratory Data Analysis, Data Visualization, Natural Language Processing. |

**Education**

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| * B. Tech. with Honors in ECE from DIT, UTU, **80.37%** (2016) | * Research Intern – University of Delhi, **91.9%** (2016) |
| * Intermediate/+2, CBSE, **92.40%** (2012) | * Matriculation, CBSE, **9.8/10** (2010) |

**Accolades and Interests**

* Infosys Ltd – Recognized with an **Insta** award for valuable consultation provided to its client, Goldman Sachs.
* Infosys Ltd – Received a token of appreciation **twice** for delivering valuable performance on the assigned projects.
* Interests – [Stack Overflow](https://stackoverflow.com/users/10734525/mew) (*Established User; ranked 197, top 0.18% during December 2nd-8th, 2018*), [GitHub](https://github.com/aivic/) (*Workspace*), [Kaggle](https://www.kaggle.com/vivek42) (*Contributor*), [Medium](https://medium.com/@vivekjaglan) (*Blog* *Contributor, special mention by Applied AI course*), [PyData-Mysore](https://www.meetup.com/en-AU/PyData-Mysore/members/?op=leaders) (*Co-Organizer, first meetup sponsored by Google*), [LinkedIn](https://www.linkedin.com/in/krvivekchaudhary/) (*Branding*), Volunteer (*DataHack Summit – 2018*) and also active in conferences.