

Varun Katyal

Mobile: 7838430404, 9818972734 Email: varunkatyal7686@gmail.com , Date of Birth: 07/06/1986

GitHub: <https://github.com/katv7>, LinkedIn: www.linkedin.com/in/varunkatyal7686

PROFILE

- Engineer with **experience in Quality Assurance, Documentation and Data Analysis.**
- Knowledge of **programming languages (R, Python)** to analyse data sets and **machine learning methods** like k-nearest neighbour, clustering, linear regression.
- Writing research articles and blogging
- **M.Engg (Polymer Technology)** from **Delhi College of Engineering (D.C.E.)**

TRAINING

- **Data Science Trainee at Imarticus Learning Private Ltd** Sep 2020-July 2021
 - Rigorous training in **machine learning algorithms**
 - Step-by-step guide and exposure to use tools like **R, python, tableau and SQL**
 - **KPMG Capstone Project: Analysis and Forecasting of Pesticide Sales**
 - Data Preparation using Excel, Power Query and Python
 - Conduct State-wise trend analysis for pesticide Sales
 - Gathering external data like Rainfall and finding influence
 - Random Forest and Linear Regression to forecast sales

EXPERIENCE

- **Automat Irrigation Pvt Ltd, Haridwar**

Quality Assurance Engineer **March 2017 – Aug 2020**
 - **Management Review activity:**
 - Scheduling and planning internal system audit. Compiling audit report
 - **Updating and maintaining product files** for client audit.
 - Supervised PVC and PE irrigation pipes. Visual and dimensional inspection as per specification.
 - Development component **Inspection**, performance report and records

➤ **National Physical Laboratory, New Delhi**

Research Asst

Aug 2012- Dec 2016

- Developing polymer-composite slabs for EMI shielding applications.
 - EMI shielding effectiveness by addition of carbon nanoparticles.
 - **Writing research and review articles** in peer reviewed journals

EDUCATION

➤ **Maharshi Dayanand University, B.E.
(Mechanical Eng.)**

Aug 2004 - Sep 2008

➤ **Delhi University, M.E.
(Polymer Technology)**

Aug 2009 – Jan 2013

CERTIFICATIONS

➤ **Big Data Analytics**, Nov 2020
AdelaideX (online from Univ. of Adelaide)

➤ **Analysing data in Power BI**, Jan 2021
DavidsonX (online from Davidson College)

➤ **Machine Learning Explainability**, Apr 2021
Kaggle.com

➤ **Data Visualization**, Aug 2020
HarvardX (online from Harvard University)

TECHNICAL SKILLS

- Data Visualization
- Regression, classification
- R, Python, Tableau, Power BI
- Blogging, WordPress, HTML/CSS

SOFT SKILLS

- Ability to grasp new concepts quickly.
- Good Team player
- Creative and Analytical Thinking
- Problem Solving

SELECTED PUBLICATIONS/PROJECTS

- Predicting and Visualizing with K nearest Neighbour
<https://www.r-bloggers.com/predicting-and-visualizing-user-defined-data-point-with-k-nearest-neighbors/>
- Bank Credit Card Fraud Detection Project with Logistic Regression
https://katv7.github.io/logistic_regression/
- WordPress Plugin: Extended widgets addon kit for Elementor
<https://wordpress.org/plugins/extended-widgets-addon-kit-for-elementor/>

Date: Aug, 2021

Place: New Delhi

Varun Katyal