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| Varun KatyalMobile: 7838430404, 9818972734 Email: varunkatyal7686@gmail.com , Date of Birth: 07/06/1986 **PROFILE*** Engineer with **experience in Quality Assurance, Documentation and Data Analysis.**
* Although working as a Quality Assurance Engr. **adept at analyzing data**.
* Experience in writing research articles and blogging
* **M.Engg** from **Delhi College of Engineering(D.C.E.)**

EXPERIENCEAutomat Irrigation Pvt Ltd(Haridwar)  Quality Assurance Engineer March 2017 - PRESENT* **Project : Analyzing climate data** for better market insights.
* **Gathering climate data** for many locations around the world.
* Gaining insights by analyzing climate trends and product sales.
* Using advanced excel functionality like **pivot-table, slicer** for data analysis.
* Management Review activity:
* Scheduling and planning internal system audit. Compiling audit report
* **Updating and maintaining product files** for client audit.
* Creating and Updating ERP Bill of Materials(BOM).
* Preparing test reports of **irrigation equipment like micro-sprinklers** for obtaining

BIS license(IS:12232, IS:14605). * Supervised PVC and PE irrigation pipes. Visual and dimensional inspection as per specification.
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| National Physical Laboratory, New Delhi Research Trainee 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

* Synthesis of Carbon Nanoparticles
* Preparation Nanoparticles by chemical deposition method and its characterization

 **IT SKILLS*** Spreadsheet, R ( Intro R and Spreadsheet Online **Certificate from Datacamp**)
* Wordpress(Classic Editor, Elementor). Blogs as Guest author
* MS office
* **Data science: Visualization**. Certificate of Achievement from **HarvardX(online learning initiative from Harvard University**

**PUBLICATIONS/BLOGS*** Predicting and Visualizing with K nearest Neighbor-Dec 2019 <https://www.r-bloggers.com/predicting-and-visualizing-user-defined-data-point-with-k-nearest-neighbors/>
* Beginners guide to Bubble map-Feb 2020

 <https://www.r-bloggers.com/beginners-guide-to-bubble-map-with-shiny/>Choropleth maps with Highcharts -Dec 2019 <https://www.r-bloggers.com/choropleth-maps-with-highcharts-and-shiny/>* Reinforcements Of Petroleum Distillation Products With Carbon Nanotubes And Vapour Grown Carbon Fibres For The Development Of Carbon Nanocomposites ***Adv Comp Letters(2013),***

 <https://journals.sagepub.com/doi/pdf/10.1177/096369351302200504>Water and fat absorption studies of Polyvinyl alcohol-Chitosan-Boron nitride hybrid nanocomposites with enhanced thermal properties *Research and Reviews in Polymer Science(2015)* <https://www.tsijournals.com/abstract/water-and-fat-absorption-studies-of-polyvinyl-alcoholchitosanboron-nitride-hybrid-nanocomposites-with-enhanced-thermal-p-3319.html>**EDUCATION**Maharshi Dayanand University*Bachelor of Engg*.*(Mechanical Engg)*Aug 2004 - Sep 2008Delhi College of Engineering, Delhi University —*Master of Engg. (Polymer Technology)*Aug 2009 -Jan 2012**Interpersonal Skills*** Ability to grasp new concepts quickly.
* Good Team player
* Analytical Skills
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