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| Varun Katyal  Mobile: 7838430404, 9818972734 Email: [varunkatyal7686@gmail.com](mailto: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. | |
| National Physical Laboratory, New DelhiResearch 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 | |