**UTKARSH AGARWAL DOB:** 07/08/1996 | **E-mail:** utkarshagarwal.du.or.19@gmail.com

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**EDUCATIONAL QUALIFICATIONS**

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| **COURSE** | **INSTITUTION / UNIVERSITY** | **YEAR** | **PERFORMANCE** |
| **M.Sc. Operational Research** | Hansraj College, Delhi University | 2019 | **86% (Sem-I)** |
| **B.Sc. (H) Mathematics** | Shaheed Bhagat Singh College, Delhi University | 2017 | **74%** |
| **CBSE XII (PCM+CS)** | Delhi Public School, Bulandshahr | 2014 | **91%** |
| **CBSE X** | Delhi Public School, Bulandshahr | 2012 | **9.4 (CGPA)** |

**WORK EXPERIENCE**

**Analyst: Bharat Heavy Electricals Limited (BHEL) (May 18 – Jul 18)**

* Appointed as an intern in **Corporate Strategic Management (CSM) Department.**
* **Analyzed data from annual reports** to develop a research report on **Segment Diversification of Corporate Giants**.
* Used **data visualization techniques** to present the results effectively by graphs in **MS-Excel and IBM-SPSS.**
* **Provided learning** that can be adopted by BHEL **to** **strengthen the diversified business** in power sector.

**Statistics Project Intern: Abacus Management Consultants Pvt. Ltd. (Mar 18 – Apr 18)**

* Worked on **psychometric tests** to analyze responses and obtain **tool’s reliability** by finding **Cronbach’s Alpha.**
* Used **MS-Excel and IBM-SPSS** to perform **data validation and exploratory factor analysis (EFA)**.
* Analyzed **MBTI datasets** and **Big-5 (OCEAN) datasets** for **Sales Aptitude Tool (SAT).**
* Used **descriptive statistics** to **visualize data** and gather other necessary insights to **develop final report**.

**Subject Matter Trainee: Evelyn Learning Systems Pvt. Ltd. (May 15 – Jul 15)**

* Worked as a **full time intern** in **Mathematics Department**.
* Developed **quality solutions** for American publications like **McGraw Hill Education** and **Pearson**.
* **Led the team of interns** in final month and shared the **post of reviewer**.
* **Designed topic-wise question papers** for foundation courses of **IIT entrance exam.**
* **Scored best grades** under all skills for the performance.

**MINI PROJECT**

**Research on Internet Usage and Income of a Person (Using Python) (Jan 18 – Feb 18)**

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| **TASK** | **DESCRIPTION** |
| **Cleaning and Managing** **data** | Used **Gapminder dataset** to check if there was any **Correlation** between two variables representing the **Income per person and Internet usage rate** **of a country** respectively. |
| **Visualization** | Performed **Cluster Analysis** by using **scatter plot** to show the relation b/w independent values with the dependent variable’s values and **box plot** **to spot the outliers** in the data values. |
| **Conclusion** | The **Pearson r-value obtained was 0.75** and was sufficient to **predict 56% variability of independent variable**. Hence, the test concluded that **Internet usage is related to the Income of a person.**|*(Part of a MOOC- Data Analysis Tools on Coursera using Python)* |

**EXTRA CURRICULAR PROJECT**

**YOUTUBE ANALYTICS (Nov 15- Feb 16)**

* Created a **YouTube channel** to explore and learn **Google Analytics and YouTube’s Creator Studio**.
* **Analyzed different graphs** to study the viewership and response of videos.
* Conceptualized the current trends to **predict and set future goals**.
* Single-handedly managed to get **6700+ subscribers** in a short span of time.

**POSITIONS OF RESPONSIBILITY**

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| **COURSE** | **INSTITUTION** | **YEAR** |

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| Placement Cell Coordinator | Department of Operational Research, Delhi University | Oct 2017- Present |
| Organizing Committee Member | Annual Mathematics Fest, Ganitam, SBSC, Delhi University | Feb 2016 - Feb 2016 |
| Co-Organizer | Volakuvous, Photography Event, SBSC, Delhi University | Feb 2016 - Feb 2016 |
| Content Team Member | Mathematics Society, SBSC, Delhi University | Aug 2015- Apr 2016 |
| Cultural Secretary | Delhi Public School, Bulandshahr | July 2012- Apr 2013 |

**ACADEMIC AND EXTRA-CURRICULAR ACHIEVEMENTS**

* Received **Certificate of Recognition** by **Abacus Learning Pvt. Ltd.** in 3rd State Level Arithmetic Competition in 2008.
* **Secured 8th rank** in M.Sc. Operational Research, DU entrance examination, 2017.
* Successfully completed workshop on **Data Science using Python** by **StepUp Analytics** in Oct 2017.
* Completed an online training course of **Intro to Data Analysis with R** by **Udacity** in Aug 2017.
* **Scholar Badge Holder** in DPS for academic performances in 2011 and 2012.
* Participated in **Talk on Behavioral Insight**, by **World University Services (WUS)** in Feb 2016.
* Successfully **led team of Tech Society**, DPS Bulandshahr for all **Inter DPS Cyber Fests** in 2013.
* Served as member of **NSS** for **three consecutive years** (2014-2017).

**COMPUTER LITERACY**

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| **Comfortable** | SPSS, MS- Excel, YouTube Creator Studio |
| **Familiar** | R, Python |