

# Abhishek Kamlesh Gupta

Raleigh, NC | +1-919-760-9897 | guptabhishek785@gmail.com  
linkedin.com/in/abhishekgupta785/ | https://github.com/guptabhishek785

## EDUCATION

**North Carolina State University - GPA: 3.97/4.0**

**Jan 2022 – May 2023**

Master of Science in Industrial Engineering & Minor in Computer Science

(Courses: Algorithms, Stats for Data Science, DBMS, Soft-Engr, Operations Research, Python, Stochastics, Production Planning & Control, Nano Manufacturing)

**Dwarkadas J. Sanghvi College of Engineering – (Mumbai University) - CGPA: 7.01/10**

**Aug 2016 – Oct 2020**

Bachelor of Mechanical Engineering

## TECHNICAL SKILLS

- **Programming:** Python (NumPy, Pandas, Scikit-learn, OpenCV, PyTorch, NLTK), R, SQL, C, C++, Java and MySQL, Access.
- **Visualization:** Power BI, Tableau, Python (Matplotlib, Seaborn) and R
- **Engineering:** Simulation, Forecasting, Mathematical modelling, CAD/ CAM/ CAE, Database Management
- **Technical/Analytical Skills:** ETL Pipelines, Data Analytics, Data Visualization, SAP, Lean Six Sigma Techniques, Cloud technologies, Machine Learning, Warehouse Management, Production Planning, Materials Requirement Planning (MRP), Supply Chain Management, Demand Management and Forecasting, Transportation Management.
- **Tools:** Git & GitHub, AWS, API Requests, Unit Testing, MS Office, Advanced Microsoft Excel (Solver, V-look Ups, Macros), LINDO

## PROFESSIONAL/INTERNSHIP EXPERIENCE

**Strategy & Analytics Consultant | TresVista (IN)**

**Jan 2021- Jan 2022**

- Provide **Consulting Services** to the Management on key Strategic Projects and help with Data backed Decision Making. Built Margin Models, Pricing Models, Capacity Models targeting an overall increase in revenue by 35% adjusted growth.
- Optimized Operations for the Procurement Department resulting in an overall TAT reduction by 20% in procurement of a product. Created tools/ Dashboard to automate the tracking and & optimize the database of the procured products.
- **Exploratory Data Analysis** and **Analytics** on Python and **Power BI**. Creating **Dashboards** and Reports for the Management. Automated the weekly SLA Analysis reducing 35%-man hours.
- Improved the **Database Management** of the Company via **SQL** and **MS Access** effectively optimizing 25% work hrs.
- Process Improvement & Cost Optimization for the HR Department. Automating & outsourced redundant processes and performed employee Capacity Analysis resulting in an overall improved cost and time to acquire an employee by 20%.

**Supply Chain Consultant | Galex (Self Employed)**

**Jul 2020 – Nov 2020**

- Identified KPIs & created tools to automate the tracking and reporting of the inventory. Performed statistical analysis to gauge the effectiveness of various pricing strategies thereby increasing revenue by 15%
- Collaborated closely with the Product Development team to identify untapped user segments and explore new market opportunities. Developed strategic plans for seamless integration of **New Product Introductions** into existing Supply Chain
- Performed Demand Forecasts, Pricing & Marketing Strategies. Created Risk mitigation plans related to product availability, quality & Lead Times

**Powertrain Engineer & Head of Procurement | DJS Racing Electric**

**Dec 2016 – Nov 2018**

- Led the Powertrain Department of the Electric Racecar team at FS East 2018 Hungary.
- Orchestrated Product Development Plans to effectively manage timelines including Design, Production, and Testing.
- Designed Material & Cost Reduction Plans to address the scalability and mass production of the product.
- Designed & manufactured the powertrain Systems, Accumulator and Cooling assembly. Created CAD models on SolidWorks.

**Financial Research Intern| India Infoline Limited (IN)**

**Jul 2019 – Dec 2019**

- Performed Quantitative Research through Financial Statements/ Reports of Companies.
- Created a trading indicator to perform sentiment analysis and predict overbought/ oversold zones of an asset with F&O.

## PROJECTS

- **Email Author Identification:** Applied NLP & Supervised learning algorithms to identify the author of the email on a dataset of 1.5 million. Conducted preprocessing tasks such as Data Cleaning, Feature Engineering & Exploratory Data Analysis
- **Product Recommendation System:** Performed Computer Vision techniques to recommend similar products to user based on purchase history & viewed products. Used CNN & other ML algorithms to recommend products.
- **Customer Segmentation:** Applied K-means clustering to perform customer segmentation to optimize service offerings.
- **Movie Recommendation System:** Extracted data from the TMDB API. Employed Natural Language Processing techniques to analyze the data. Used ML algorithms like NLTK, KNN to recommend movies. Performed Analytics. Deployed on Streamlit.
- **Visualization of Summer Olympic on Power BI:** Utilized Python to clean and process the data. Created Visualization and user-friendly Dashboard to gain insights for performance and scope of improvement.
- **Time Series Demand Forecasting:** Utilized the Prophet library to forecast passenger traffic and ticket sales. Developed a comprehensive business strategy plan to maximize profitability based on the forecasted data.