

Abhishek Kamlesh Gupta

Raleigh, NC | +1-919-760-9897 | guptabhishek785@gmail.com
[linkedin.com/in/abhishekgupta785/](https://www.linkedin.com/in/abhishekgupta785/) | <https://github.com/guptabhishek785>

EDUCATION

North Carolina State University - GPA: 3.97/4

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, Machine Learning, Supply Chain Control)

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:** Data Wrangling and Cleaning, Data Analytics, Data Visualization, Lean Six Sigma Techniques, Cloud technologies, Machine Learning (Supervised and Unsupervised), Bagging & Clustering, Natural Language Processing (NLP), Supply Chain-Management, A/ B Testing, CI/ CD Pipelines, Computer Vision, Project Management
- **Tools:** Git & GitHub, AWS, API Requests, Unit Testing, MS Office, Advanced Microsoft Excel (Solver, V-look Ups, Macros), LINUX

PROFESSIONAL/INTERNSHIP/ LEADERSHIP 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** for multiple projects and built weekly 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%

Data Analyst | Galex (Self Employed)

Jul 2020 – Nov 2020

- Performed Aggregate analysis to optimize the Inventory & workforce reducing waste by 15%
- Identified KPIs & Created tools to automate tracking & reporting of the Inventory
- Performed Sales Forecasts and devised Pricing & Marketing Strategies

Financial Research Intern| India Infoline Limited (IN)

Jul 2019 – Dec 2019

- Performed Quantitative Research through Financial Statements/ Reports of Companies
- Identifying sectors suitable for investments using Fundamental Research & Macro-Economic trends
- Created a trading indicator to perform sentiment analysis and predict overbought/ oversold zones of an asset with F&O

Powertrain Engineer | 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

PROJECTS

- **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
- **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
- **Visualization of Summer Olympic on Power BI:** Utilized Python to clean and process the data. Created Visualization and user-friendly Dashboard to gain insights into different Sports and Nation wise performance and scope of improvement
- **Discord Bot:** Created a discord bot on Python that conducts Polls. Worked on the Front-end part. Performed unit Testing to test the bot. Used GitHub Actions & other Dev-Ops tools to automate workflows. Deployed the bot on Replit
- **Portfolio Optimization:** Applied Non-Linear Optimization techniques in Python to optimize the Index Funds/ portfolio of stocks & to minimize the Systematic Risk and eliminated under contributing stocks thereby reducing the efforts to manage the portfolio & increasing its Risk/ Reward potential