Gawtam S. Bhat

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https://www.linkedin.com/in/gsbhat/   https://infinitebhat.github.io/8/

Education		
	University of Connecticut, Storrs, United States. *Ph.D. in Business Administration (Marketing)*	**Dec 2025** **(Expected)**
	University of Florida, Gainesville, United States. *Master of Science in Industrial and Systems Engineering.*	**Dec 2020**
	Visvesvaraya Technological University, Belgaum, India. *Bachelor of Engineering in Mechanical Engineering.*	**Jul 2017**

Technical Skills

Programming Languages: Python, R, SQL, Stata.

Software Tools: Minitab, SAP ERP, MS Project, Solid Works, Mold flow Analyzer, ARENA.

Data Visualization: Tableau, Power BI, Amazon QuickSight.

Courses

Marketing Management, Applied Econometrics, Operations Research, Applied Probability, Statistics, Engineering Economics, Systems Monitoring, Manufacturing Management (Audit), Project Management, Economic Data Analysis, Lean Production Systems (Audit), Supply Chain Management, Machine Learning, Data Science (Audit).

Work Experience

University of Connecticut, Storrs — Aug 2021-
Graduate Teaching Assistant

- *Contribute to the development, maintenance of appropriate teaching materials to ensure content and methods of delivery meet learning objectives. Responsibilities include Grading papers, assignments and invigilation.*

Kraft Heinz, Wausau, Wisconsin — Mar 2021 To Aug 2021
Engineering Associate
Primary responsibilities included assisting in providing a planning and manufacturing food processes, maintaining assembly line functioning and safe, clean environment around the food processing plant.

University of Florida, Gainesville — Aug 2019 To Dec 2020
Graduate Teaching Assistant (Paid, Part-time)

- *Contribute to the development of appropriate teaching materials to ensure content and methods of delivery meet learning objectives of Lean Production Systems and Manufacturing Management. Introduced paperless submission Exam evaluation. Assessed with the instructor the validity of the exam and assignment questions to properly test material learned throughout the course, with continuous feedback.*

DOHRE, University of Florida, Gainesville — Mar 2019 To Dec 2020
Security Assistant (Paid, Part-time)

- *Primary responsibility included assist in providing a safe environment around the grounds of the HRL residence halls and apartments through checking exterior doors to residence halls and other designated Housing buildings to ensure they are secure, checking for safety concerns and reporting.*

Forage, Remote work — Aug 2020 To Oct 2020
Data Analytics Consulting Intern (Unpaid, Part-time)

- *Analyzed and identified segments of customers with similar demand behaviors, purchase history on basis of Recency, Frequency, and Monetary values using the K-Means algorithm. Recommended top 1000 customers to increase revenue. This was part of the KPMG Virtual Internship program.*

University of Florida, Gainesville — May 2020 To Aug 2020
Graduate Research Assistant (Unpaid, Part-time)

- *Studied research papers on Statistical Process Control (SPC) and analyzed multivariate data using statistical monitoring techniques and improved the existing method of detecting defects on grayscale images of semiconductor materials.*
- *Applied Statistical Learning techniques like decision tree fitting, regression, EWMA charts, hypothesis testing on Stochastic Textured Surface data and achieved 89% accuracy level in detecting defects using SPC.*

Hydrotek Engineers, Pune
Sales and Marketing Analyst

Sep 2017
To Dec 2018

- *Assessed customer sales data from previous years and devised product marketing strategies to increase customer engagement and retention rate by 10% within 5 months. Collaborated with various departments & implemented exponential smoothing forecast techniques using SAP and Excel to decrease customer lead time by 3 days.*
- *Increased sales revenue by more than 15% through effective communications and business development through B2B, B2C business additions. Total individual contribution to sales revenue exceeded 90,00,000 INR within 8 months.*

Tata Power Plant, Mumbai
Engineering Intern

Jun 2015
To Jul 2015

- *Collected and segregated energy loss data into different categories incurred between FY 2005 to FY 2015 by using **SQL** commands and identified the root cause for these losses. Using these data, we documented corrective actions.*
- *Submitted final report with analysis on YoY variation in power generation, power loss, and loss incurred in INR to the company using Advanced Excel tools and recommended measures to minimize losses.*

Projects

Classification of Audio Recordings Using Transfer Learning
- *We investigate the performance of 3 pretrained architectures and finetune and optimize the best performing architecture. We utilize an ensemble of 4 fine-tuned CNNs following the Densenet architecture which is pretrained on the ImageNet dataset. We demonstrate that audio recording samples falling into eight emotive categories may be classified with 85.5% accuracy. **Python (PyTorch, NumPy).** (First Place for classification accuracy in the class of 49.)*

Anomaly Detection using Control Charts
- *Developed a model control chart to monitor the anomaly in electronic healthcare data recorded inpatient time to Predict Acute Kidney Injury based on two variables Heart Rate and Blood Pressure, which have a high correlation with kidney damage.*

    Python (scikit-learn, Pandas, NumPy).

Retail Demand Forecasting Project
- *Analyzed approaches related to data preparation, analysis, and forecasting of time series, to facilitate recommending sales & marketing strategies based on trend/seasonality effects using data from Kaggle with diverse characteristics such as stationarity, seasonality, residuals, and sales data variance. Implemented and compared results using Exponential Smoothing, ARIMA, Facebooks Prophet, and LSTM Neural network.*
    Python (scikit-learn, TensorFlow, Keras, Pandas, NumPy, fbprophet).

Regression Analysis of Tech Pulse Index
- *Using Stata extracted insightful statistic characteristics and results from the time-series data of Tech Pulse Index and its correlation with the tech industry trend, unemployment rate, and housing prices using analysis techniques like regression, hypothesis tests, stationarity tests. **Stata, Excel.***

Vehicle Routing Optimization with Capacity and Time Window constraints
- *Implemented optimization algorithms to model and solve supply chain vehicle routing problems and optimized total cost by 17% and reduced total number of trucks purchased to 16 from 25, thus optimizing investment. **Excel, Python.***

Portfolio optimization using Mean-Covariance and Standard Deviation.

- *Optimization of the Portfolio with the condition of minimizing the total risk. The process involved Data mining, statistical analysis, and reporting. Minimized the risk approximately by 10%. **Excel, Portfolio Optimizer Software.***

Leadership	• **Vice President** (2020-2021), *Indian Graduate Student Association, University of Florida.*
	• **PR Director** (2019-2020), *Indian Graduate Student Association, University of Florida.*
	• **Master's Liaison** (2020-2021), **MS Recruiting student Chair for India** (2019-2020), *Engineering Graduate Student Council, University of Florida.*
	• **Master's Representative** (2019-2020), *Industrial and Systems Engineering Student Organization.*
	• **Founding President- Internship Cell** (2015-2017)-*KLS Gogte Institute of Technology.*
Awards and Accolades	• **Topper of the district** *in Highschool Public Examination 2011, awarded by Education Ministry of Karnataka State.*
	• **Achievement Award for outstanding international students** by *the University of Florida.*