Abhilash Gadepalli

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A **Passionate Data Science Enthusiast** with close to 8 years' experience in the Manufacturing and Retail industry. Currently working as a Consultant on **mapping and validating cost** and **supply chain solutions** using my Business and Engineering Background. Gaining **insights** from large datasets in Retail (using it both in Product placement/price/etc. and trying to Optimize Product Cost Price). A **Government Award Winner** with a strong background in Mechatronics Engineering. Have a demonstrated understanding of Product Development Lifecycle and have **contributed** to setting up Supply Chain teams specializing in Cost Optimization.

A **SAVE and Tableau Certified** Value Analyst with experience in handling Global Teams in **India, Denmark, China, USA & France** which has given me a kick start at handling multiple work practices and cultures.

Skills

- Machine Learning
- EDA & Feature Optimization
- Competitor Analysis & Design to Value
- Should Cost Analysis & VA/VE
- Identification & Negotiation

- Python / R / Tableau
- AutoCAD / Inventor
- aPriori / DFMA
- Hadoop / Spark
- Microsoft Office Suite

Experience

VA/VE Consultant- The Home Depot [November 2018 – **Present**]

A VA / VE Consultant with **The Home Depot**, an industry giant in Retail**. Breakdown, categorize and summarize products** at a SKU Level Review in line with Merchants. Responsible for **Feature Based** analysis, **Identifying** Cost Opportunities and **Categorizing** price points to help setup Fair negotiation with Vendors and to provide Competitive advantage.

Highlights of my Profile are;
- A **certified AVS** (Associate Value Specialist) from SAVE (Society of American Value Engineers)
- **Manage and Co-ordinate with stakeholders** from different domains (Technology, Supply chain, Procurement, Manufacturing)
- Used **Regression** to come up with optimal cost for **1300+ products** by multiple vendors
- Conducted Market Research and performed Sentiment Analysis to create a new product in décor and electronics
- Identified an opportunity within Lighting Solutions thereby saving $ 1.8M in a single project
- Created a database of all electronics in 20+ categories to reduce each project time by ~15 hours
- Conducted training for the entire cross-functional team on 5 products *(and more with every project)*
- **Mapped** the entire Supply Chain + Manufacturing + Planogram for every product
- **Represent Data Science** in **Cross-Functional** projects, engaging with stakeholders up to **Merchant / Director** level
- Design and prototype experimental solutions
- **Co-ordinate and collaborate** with a team of 10 Analysts and technicians *(in house and contractual)* and provide ad-hoc hoc& immediate support to the business when needed
- Proposals for **most economic designs** & Responsible for cost avoidance in NPDs using **aPriori software**
- Implementing **Cost Management & Control Activities** with active participation in **Business Reviews**
- Developed a Template tool for Product Cost Management

<u>Supply Chain Manager-</u> Invento Makerspaces [August 2018 – September 2018]

Highlights of my profile are;
- Identify and Interaction with suppliers both in India and APAC to negotiate for mutually favorable terms
- Responsible for setting up the complete procurement cycle
- Reduce lead time and improve delivery time
- Onboard suppliers and work with production for inventory management
- Send RFQs and work on procurement deadlines

<u>Product Value Engineer-</u> Danfoss Industries Pvt. Ltd.

A VA/VE Engineer who worked on Cost Down activities for Existing & New Products Globally. As a maiden member of a team involved in a Pilot launch for Should Costing, Cost Evaluation, Reverse Engineering and Competitive Benchmarking activities; Was responsible for conducting and assisting activities throughout the Product Lifecycle from Conceptualization / Idea Evaluation to Launch.

Highlights of my profile are;
- White Space mapping and market research for Industrial Refrigeration Product Category **– Kolding, Denmark.**
- New Sensor Design for Oil Level and Oil Quality Measurement – **France & China**
- Integrating ECR Process with Partner BSL **– Chennai, India**

Achievements-
- **Achieved 10% cost reduction** for Casting Sub-Category which was extrapolated over the entire product line
- **Organized training** for the software and edited the Labor rates and Supplier information based on survey conducted for the Indian market.
- **Patented** a **Sensor** to measure the Oil Level & Quality in a Compressor in Advanced Technology Team
- Conceptualized a Smart system integrating the compressor using IoT to increase the lifetime of the compressor which leads to an overall increase in lifetime of the system

<u>Teaching Assistant</u> – VIT University, Vellore, India

Awards and Patents

- Awarded the Government National Prize for the "Development of a Low-Cost Egg Vending Machine" for the CPDO [N.R.].
- Also have a Patent for "Accessible Bio- Telematic Device for Personal Healthcare Management"

Academics

AMPBA / CBA	Business Analytics / Data Science, ISB Hyderabad	Advanced Management Program
P. G. P	Business Administration – Danfoss Industries	P.G. Diploma
M-Tech	VIT University, Vellore	7.89 CGPA
B-Tech	JNTU, Hyderabad	75%

Personal Profile

- <u>Languages Known</u> - English, Telugu and Hindi
- <u>Linkedin</u> – https://www.linkedin.com/in/abhilash-gadepalli-65507379/
- <u>Git</u> Repository – https://github.com/abhilashgn