Karan Middha

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"Seeking immediate opportunities"

EDUCATION

Binghamton University – MS Industrial and Systems Engineering (Grad. May 2019)

- Advanced Topics in Integrated Manufacturing, Advanced Topics in Processes for Electronics Packaging, Modeling and Simulation, Operations Research, Applied Statistics and Probability, Enterprise Systems Engineering, Materials for Manufacturing, Processes for Electronic Packaging, Principles of Systems Engineering

SVKM's MPSTME Mumbai – B. Tech Mechanical Engineering (Grad. Aug 2017)

- Engineering Mathematics, Engineering Thermodynamics, Strength of Materials, Fluid Mechanics, Theory of Machines, Machine Drawing, Fluid Machinery, Materials Engineering, Environmental Engineering and Management Systems, Industrial Electronics, Thermal Engineering, Manufacturing Processes, Design of Machine Elements, Mechatronics and Controls, Mechanical Measurement and Metrology, Machine Shop, Industrial Engineering, Heat Transfer, I.C. Engines, Vibration Engineering, Manufacturing Management, Presentation and Communication Techniques, CAD/CAM/CIM, Design of Mechanical Systems, Refrigeration and Air Conditioning, Finite Element Analysis, Total Quality Management, Additive Manufacturing, Engineering Economics and Accounting

PROFESSIONAL EXPERIENCE

Sodexo USA Inc., Binghamton University – Part-Time Student Worker (Mar 2018 – May 2019)

- Performed, improved event setup/execution process using teamwork, time management. negotiation skills as catering worker. Performed/improved customer service using salesmanship, presentation, workflow skills as dining hall worker. Experienced in event setup, management, breakdown of up to 2500 people, can communicate effectively with customers

Meritt Transmissions, India – Manufacturing and Warehousing Intern (Jun 2016 – Jul 2016)

- Stored chains, sprockets, couplings, buckets, gears, conveyor belts. Recorded incoming/outgoing shipments, prepared items for shipment, checked outbound shipments for accuracy/readiness for delivery. Analyzed, resolved work problems/assisted teammates in solving work problems

Supreme Treon Pvt. Ltd., India – Production and Maintenance Intern (Jun 2015 – Jul 2015)

- Produced non-woven/automotive fabric with melt-blown, spun-laid, flash-spun, air-laid, bonding manufacturing processes. Installed fabric collector/accumulator m/c and performed preventive, breakdown maintenance. Observed opening/blending, carding/web-forming, cross-lapper, pre-/finish-/one-sided/two-sided needling chemical bonding m/c. Lifted/carried maintenance equipment in work area, maintained strict adherence to safety procedures. Worked independently and in a team environment with production associates and technicians. Learned calibration, maintenance, assisted with troubleshooting equipment issues

PROJECT EXPERIENCE

Implementation of ERP System and Blockchain Technology in a Warehousing System (Aug '18 – May '19)

- Explored blockchain technology and its implementation in warehouse for better material storage, shipping and receiving. Suggested blockchain implementation methodology in warehouse

Integrated Manufacturing: Implementation of Bus Concept in Eliminating Bottlenecks (Jan – May 2018)

- Applied Shortest Route Method to achieve lead time and overcome constraints in carbide-insert manufacturing facility. Provided leadership, monitored work scope against variables, maintained communication to ensure positive workflow. Devised "Bus Concept" for elimination of bottlenecks in a carbide-insert production facility

Modeling and Simulation: Reducing Total Wait-Time at BU Dunkin Donuts (Jan 2018 – May 2018)

- Contributed to successful project completion by participating in resolution of issues of conflicting requirements, coordination issues. Worked closely with teammates throughout project to understand constraints, provided feedback pertaining to performance needs. Determined number of servers for efficient management of customers

Operations Research: Solving Linear Programming Problems Using AMPL (Jan 2018 – May 2018)

- Created mathematical model of problem. Examined mathematical techniques for the modelling and analysis of decision-making problems. Solved maximization and minimization linear programming problems with AMPL software

Demand-Response Analysis in Transmission and Distribution of Power in the USA (Aug 2017 – Dec 2017)

- Identified upcoming transmission line projects in the United States. Computed Decision Support System for identifying upcoming and ongoing projects using Microsoft Excel

PROFESSIONAL CERTIFICATIONS

DAT201x: Querying Data with Transact-SQL: Microsoft

- Introduction to Transact-SQL, Querying Tables with SELECT, Querying Multiple Tables with Joins, Using Set Operators, Using Functions and Aggregating Data, Using Subqueries and APPLY, Using Table Expressions, Grouping Sets and Pivoting Data, Modifying Data, Programming with Transact-SQL, Error Handling and Transactions

Business Analysis Modelling Skills and Techniques – The BA Guide | Jeremy Aschenbrenner

- Introduction to Visual Modelling, SWOT Analysis, Use Cases, Organization Chart, Stakeholder Map and RACI Matrix, Scoring Matrix, Process Flowcharts, User Stories

Business Analysis Fundamentals – The BA Guide | Jeremy Aschenbrenner

- Software Development Lifecycles, Initiating a Project, Requirement Basics, Requirement Elicitation, Requirement Analysis, Requirement Specification, Requirements Approval, After the Project

Lean Six Sigma Green Belt Online Course – Udemy

- Getting Started with Six Sigma, Six Sigma Problem Solving Approach, Listening to Customers, Completing a Project Charter, Process Mapping Tools, Cause and Effect Relationships, Measurement System Analysis (MSA), Data Collection, Planning and Execution, Data Sampling, Introduction to Business Statistics, Graphical Analysis Methods, Assessing Process Capability, Root Cause Analysis, Theory of Hypothesis Testing, Performing Hypothesis Tests, Quantification of Opportunity to Improve, Generating and Screening Solutions, Lean Management Systems, Failure Modes and Effective Analysis, Statistical Process Control, Control Plan

Logistics and Supply Chains - Fundamentals, Design, Operations – Operational Excellence Training

- Supply Chains Management and Logistics, Logistics Strategy, Supply Chain Integration, Demand Management, Planning and Controlling of Flow of Materials, Managing Capacity, Customer Relationship Management, Purchasing and Procurement, Inventory Management, Location Decisions, Warehouse Management, Global Logistics Operations, Transportation, Workforce Management, Health and Safety Considerations, Performance Measurement, Risk Management, Reverse Logistics, Sustainability, Link between Finance and Operations, Lean Accounting Productivity Management, Technology in SCM, Project Management, Outsourcing, Business Process Management, Continuous Improvement

LFS171x: Blockchain for Business - An Introduction to Hyperledger Technologies: The Linux Foundation

- Distributed Ledger Technology (DLT), Bitcoin and Ethereum Blockchains, Exploring Permissionless Blockchains, Consensus Algorithms, Other Open Source Distributed Ledgers, Hyperledger, Challenges in the Adoption/Deployment of Distributed Ledger Technologies, Hyperledger, Hyperledger Frameworks, Hyperledger Modules, Existing Blockchain Use Cases, When to Use or Not to Use Blockchain Technologies, Installation Instructions for Linux, Installation Instructions for MacOS, Installation instructions for Windows, Key Components, Joining the Hyperledger Iroha Community, Addressing Illegal, Unregulated, and Unreported Tuna Fishing (Demonstrated Scenario), Key Components and Transaction Flow, Installing Hyperledger Sawtooth, Writing an Application, Joining the Hyperledger Sawtooth Community, Addressing Illegal, Unregulated, and Unreported Tuna Fishing (Demonstrated Scenario), Key Components and Transaction Flow, Installing Hyperledger Fabric, Understanding Chaincode, Writing an Application, Joining the Hyperledger Fabric Community

LFS170x: Blockchain: Understanding Its Uses and Implications: The Linux Foundation

- Basis of Blockchain, Distributed Ledgers, Cryptography, Transparency, Immutability, Smart Contracts, Blockchain Security, Public and Permissioned Blockchains, Blockchain Flow, Consensus and Fault Tolerance, Governance and Blockchain, Identity and Anonymity on Blockchain, Standard vs. Blockchain Governance, Consensus, Governance with Autonomy, Governance for Enterprise, Immutability, Transparency, Autonomy, Multi-Party Transactions, Double Spend, Blockchain Use Cases, Healthcare, Voting, Identity Management, Land Records and Government, Blockchain with Supply Chain, Internet of Things (IoT), Energy, Future of Blockchain

IELTS – International English Language Testing System   *(Valid till Feb. 2021)*

- Overall – 9.0/9.0, Listening – 8.5, Reading – 9.0, Writing – 8.5, Speaking – 9.0