

# ADITYA GANESH KAMATH

1520 Southwest Expressway, Apartment 132, San Jose, CA 95126  
727-685-7200 • adikamath92@gmail.com • adityakamath.com • github.com/adikamath

## PROFESSIONAL EXPERIENCE

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### INDUSTRIAL ENGINEER 2, JABIL, INC., SAN JOSE, CA

APRIL 2018-PRESENT

- Lead process improvement for New Product Introduction (NPI) programs and Printed Circuit Board Assembly (PCBA) process using modular station designs, material presentation and standardizing material flow through bottleneck processes; collaborate with engineering teams for Process Failure Mode and Effect Analyses (PFMEA) and drive Root Cause Analysis (RCA).
- Automated manufacturing job-scheduling of shared manufacturing assembly capacity by developing a Python-based capacity modeling and linear optimization tool.
- Improved inventory holding cost and lowered supply chain forecast error; analyzed customer's product demand data and applied clustering algorithms to reduce the number of forecasted product families by 68%.
- Defined metrics and developed interactive dashboards for key functions like quality assurance, supply chain and employee engagement thereby reducing time spent for manual follow-up and communication.
- Led the data modeling and design efforts to create an application to automate production-issue tracking and management; scripted SQL queries to report key engagement metrics thereby eliminating manual data collection and reporting.

### INDUSTRIAL ENGINEER-LEAN SIX-SIGMA, JABIL, INC., ST. PETERSBURG, FL

JUNE 2016-APRIL 2018

- Deployed a global database application that stored engineering standards data with automated analysis pipeline; designed and implemented an algorithm that reduced time to deploy the application by 83% and resulted in soft-savings of \$11,000.
- Conducted time-studies for a high-volume customer account; utilized data analysis to propose a redesigned production layout, leading to savings of \$128,000 in operating expenses.
- Used simulation modeling to design and evaluate capacity models and production layouts for high-mix, high-volume assembly lines; recommending a layout that required 1-less surface mount (SMT) bay with savings of \$300,000.

### GRADUATE ASSISTANT, CLEMSON UNIVERSITY, CLEMSON, SC

NOVEMBER 2015-APRIL 2016

- Developed Python code for a project funded by the National Science Foundation to enable data transfer between simulation models and a mobile application designed for Doctors and Nurses to monitor patient flow in a surgical care setting.
- Selected Publication: Taaffe, Kevin & Zinouri, Nazanin & **Ganesh Kamath, Aditya**. (2016). Integrating simulation modeling and mobile technology to improve day-of-surgery patient care. 2111-2122. 10.1109/WSC.2016.7822254.

### INTERN - SUPPLY CHAIN, JABIL, INC., ST. PETERSBURG, FL

MAY 2015-AUGUST 2015

- Analyzed financial data from global procurement contracts and identified working capital losses estimated at USD 14,000 per quarter; the results were used to redesign standard operating procedures in order to check the loss of working capital.
- Led a Kaizen event to identify bottlenecks in the SAP pricing process; reduced the total lead time by 60%.
- Redesigned a web-based dashboard with enhanced visualization of supply chain metrics to reduce user time by 50%.

### SUPPLY CHAIN INTERN, TOYOTA KIRLOSKAR, INDIA

FEBRUARY 2014-MAY 2014

- Conducted time studies to validate current assembly process and identified bottleneck processes that prevented single-piece flow.
- Worked with production engineering team to develop an algorithm to calculate safety stock value based on historical machine breakdown data.
- Used statistical analysis to determine the probability of machine breakdowns; the results were modeled into the simulator to reduce the current stock of components maintained by up to 72%.

## EDUCATION

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Master of Science, Industrial Engineering, Clemson University, USA

MAY 2016

Bachelor of Engineering, Industrial Engineering and Management, Visvesvaraya Technological University, India

JULY 2014

## CERTIFICATIONS AND AWARDS

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MITx-Supply Chain Analytics (Certificate ID: b6fe37d9fff344659031ca098d33b21e)

JULY 2018

Maynard Operation Sequence Technique (Basic MOST)

MAY 2017

Jabil Bronze Lean Six Sigma Certification

FEBRUARY 2017