

# KARTIK AGRAWAL

PRODUCT ENGINEER · PROGRAMMING ENTHUSIAST

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## Education

### Birla Institute of Technology and Science Pilani

B.E. MECHANICAL ENGINEERING

- CGPA - 7.84/10

Pilani, Rajasthan

Aug 2017 - Jul 2021

## Experience

### Larsen & Toubro Infotech Ltd.

SENIOR PRODUCT ENGINEER

- Develop new functionalities and components for the Ministry of Statistics and Programme Implementation's website using Java for back-end integration with stored procedures and JavaScript/jQuery for front-end.
- Handle deployment of the modules to the test server.
- Created a java program to render Tableau reports from data extracted from SAP BO reports by creating .twb files.
- Analysed tableau .twb files to understand a workbook structure and its different components

Bangalore, India

July 2021 - Present

### Amazon India

OPERATIONS MANAGEMENT INTERN, INBOUND

- Created an Excel Dashboard to download and display key performance metrics from different portals using Selenium.
- Created an Excel Sorting Tool to sort items into different categories for an inbound shipment
- Created an Excel Placard tool to print and tag placards to all the pallets based on the categories of items on it. Placard included details of the category, shipment number and its QR code and, deadline to stow

Mumbai, India

Feb. 2021 - Jun. 2021

### JSW Energy

SUMMER INTERN

- Pre-processed and collected the data for coal and operational parameters like ultimate analysis of coal, %UBC, etc
- Co-developed a multiple linear regression model for UBC prediction with 78% accuracy
- Identified crushing inefficiencies in the bowl mills due to small and rigid coal fines

Vijaynagar, India

May 2019 - July 2019

## Course Projects

### Covid 19 Vaccine Distribution

COURSE: SUPPLY CHAIN ANALYTICS

- Created a pan India Covid-19 vaccine distribution model. Divided India into 4 zones using Minimal Spanning Algorithm and designated key metros as zone hubs.
- Assigned weights to each state based on the number of total cases, total deaths, population density.
- Used Goal Programming to allocate vaccines to each state based on weights assigned to each state using Tora software.

BITS Pilani

Sep. 2020 - Nov. 2020

## Skills

<b>Languages</b>	JavaScript, Java, jQuery, SQL
<b>Technologies</b>	React, Redux, Selenium
<b>Platforms</b>	Liferay, Tableau, AWS
<b>Interests</b>	Blockchain, Web3