

# KARTIK AGRAWAL

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GitHub : <https://github.com/Bravo1311>

## EDUCATION

DEGREE	INSTITUTE	GRADE	PERIOD
Bachelor of Engineering (B.E.), Mechanical Engineering	Birla Institute of Technology and Science (BITS), Pilani	7.84/10	2017-2021

## AREAS OF INTEREST

Blockchain, Web3, Data Structures and Algorithms, Open Source Development

## SKILLS

- **Languages:** JavaScript, Java, jQuery, SQL, Visual Basic for Applications(VBA)
- **Technologies:** ReactJS, Express.js, Node.js, MongoDB, Spring Boot, Liferay, Tableau, AWS, Selenium, Firebase, GitHub, CI/CD, Heroku, Linux

## EXPERIENCE

**Senior Product Engineer, Larsen & Toubro Infotech Ltd.** *Bangalore, India*  
(UI Lead, National Integrated Information Portal –Ministry of Statistics and Programme Implementation) Nov 2021- Present

- Develop and manage the web portal including key functionalities for **NAD-NIIP**, a national digital repository.
- Technologies used for frontend – **JavaScript, jQuery**, HTML, CSS, backend – **Java, SQL Server** (Stored Procedures and Queries), **AJAX** for communication and, code deployment on Linux Server using WinSCP.

(Graduate Engineer Trainee, DM-COE) June 2021- Oct 2021

- Analyzed **Tableau** .twb files to understand a workbook structure and its different components.
- Developed a **Java program** to write Tableau .twb files using data gathered from **SAP BO** reports for a Proof of Concept.

**Operations Management Intern, Amazon India** *Mumbai, India*  
(Transshipment Productivity Enhancement, Inbound) Feb 2021- June 2021

- Created an **Excel Dashboard** to download and display key performance metrics from different portals using **Selenium** and **VBA**.
- Created an **Excel Sorting Tool** to sort items into different categories based on their size, type and Amazon Stowing Classifications using VBA.
- Created an **Excel Placard Tool** to print and tag placards to all the pallets based on their items' categories. Placard included details of the category, shipment number and its QR Code, and the deadline to stow using VBA.

**Summer Intern, JSW Energy** *Vijayanagar, India*  
(%Unburnt Carbon Model) May 2019 – July 2019

- **Processed** and **Collected 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**.

## PERSONAL PROJECTS

[JotDownAnything.com](https://jotdownanything.com) Aug 2022 – Present

- Developing a website to store todos, quotes and notes.
- Technologies used – **MongoDB, Express.js, Node.js, ReactJS, Firebase** for user authentication and **Heroku** for hosting

## ACADEMIC PROJECTS

**Covid-19 Vaccine Distribution Model** Sept 2019 – Nov 2019

- 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 number of total cases, total deaths, and population density.