

# ARPIT MALLICK

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## Education

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### University of California, Riverside

Sept. 2022 – May 2024

*Master of Science in Computer Engineering*

*Riverside, CA*

Relevant Coursework: Advanced Operating System, Big Data Management, Artificial Intelligence, Fundamentals of Machine Learning, Seminar in Computer Science, Information Retrieval and Web Search

### Kalinga Institute of Industrial Technology

July 2017 - May 2021

*B.Tech in Computer Science and Engineering*

*Bhubaneswar, India*

## Technical Skills

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**Languages:** Python, C++, SQL, HTML, CSS, JS

**Developer Tools:** VS Code, Git, JIRA

**Technologies/Frameworks:** GitHub, .NET, Machine Learning, Natural Language Processing

## Work Experience

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### Wipro Limited

June 2021 – June 2022

*Project Engineer*

*Chennai, India*

Managed four critical applications as a Project Engineer that are planned for migration from on premise data center to public and private cloud infrastructure. My roles and responsibilities includes:

- Understanding the design prepared for respective application and plan to work on pre-requisites, implementation along with senior build engineer.
- Have documented process followed for completing service introduction (SI) activities.
- Have raised change records to deploy the application to newly built infrastructure as well as for cutover event.
- Was responsible to co-ordinate with all stakeholders to understand and document sequence of execution (SoE) for cutover event.

## Projects

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### Understanding Emotion Triggers

Jan 2023 - Mar 2023

- Conducted research and developed a project focused on understanding emotion triggers in text and generating a summary based on that particular emotion.
- Formulated the task as emotion trigger detection with abstractive summarization, where we were given a long text document and our goal was to output the target emotion, whether it existed in the document or not, and then produce a summary of the emotion trigger.
- Utilized advanced natural language processing techniques to analyze and identify emotional triggers in text, resulting in a novel approach to automatic summarization.

### Walmart Sales Prediction

Dec 2020 - Apr 2021

- Analyzed sales across different departments by store type and created weekly report.
- Analyzed effect of various factors to determine significant effects in explaining sales in the stores by using Linear Regression.

### Audio Event Detection

Dec 2019 - Apr 2020

- Demonstrated the classification of environmental sounds, especially focusing on the identification of particular urban sounds by applying deep learning techniques.

### Application of Machine Learning Algorithms for prediction of sinter machine productivity Mar 2021 - Sept 2021

- Used machine learning and data analytics approach to predict sinter machine productivity. Further, Artificial neural Network (ANN) model was used to correlate input parameters with sinter productivity.
- Presented this paper in the 15th INDIACom-2021, 8th international conference on 'Computing for Sustainable Global Development' (IEEE Conference ID: 51348) held at New Delhi, India from 17-19th March'2021.
- Published this paper in proceedings of the 15th INDIACom-2021, 8th international conference on 'Computing for Sustainable Global Development' in IEEE Xplore titled "Application of Machine Learning Algorithms for Prediction of Sinter Machine Productivity" Arpit Mallick, S. Dhara and S. Rath, Page 137-143. IEEE link: <https://ieeexplore.ieee.org/document/9441079>
- Also published this paper in Elsevier's journal 'Machine Learning with Applications (MLWA)' titled "Application of Machine Learning Algorithms for Prediction of Sinter Machine Productivity" Arpit Mallick, S. Dhara and S. Rath, Vol.6 (2021) 100186. Elsevier link: [Click here on this link](#)