# CHANDAN KUMAR

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## EDUCATION

**IIT** Dhanbad – Bachelor of technology (B. Tech)                     **(2013-17)**

**Super30** Patna – Preparation of IIT JEE                     **(2012-13)**

## PROFESSIONAL SUMMARY

IIT Dhanbad Graduate, with 3 years' experience in Data science, Machine Learning, Data Analysis, Data Modeling, Data visualization, Python, Azure, SQL, Azure data factory and Power BI.

## EXPERIENCE

**Clean Harbors,** Hyderabad, India                     **JUN 2018 - Ongoing**
**Data Scientist**

### PROJECTS: Waste Classification Code (Clean Harbors)

- **Description**: Develop and tune Waste Classification Code Prediction models to support automated Waste Classification Code assignment.

- **Approach**: Develop an integrated dataset that captures key features across all waste class. Implement logical data checks to ensure consistency of inputs prior to model prediction. Classifying WCC with similar physical properties.

- **Benefits**: Classifying correct waste class code that help existing business process.

### PROJECTS: Invoice Audit (Clean Harbors)

- **Description**: The objective of the data science team is to develop an algorithm to Audit and predict revenue for an invoice. happiness and success in our lives

- **Approach**: Identify key Quote-to-Invoice information and leverage logical invoice audit methods to alert, direct and investigate revenue anomalies. Calculate predicted invoice amount and compare to reported. Identify outlier amounts based on business defined cutoffs.

- **Benefits**: Systematic, scalable, approach to identifying outliers across key invoice attributes allowing auditing team to focus on other problematic, complex issues. Further, prediction model provides a level of confidence across pricing, waste classification, units of measurement and regions.

### PROJECTS: Account Archive (Clean Harbors)

- **Description**: The objective of the data science team is to develop an algorithm to Classify Account type.

- **Approach**: Develop an integrated dataset that captures key features across the Project. Implement logical data checks to ensure consistency of inputs prior to model prediction. Classifying account type for each generator.

- **Benefits**: Classifying correct account type that help existing business process.

## CERTIFICATION

- SQL Server – Microsoft

- Machine Learning – Stanford university(Coursera)

## SKILL

- Data Science: Machine Learning Deep Learning, Statistics.

- Cloud Technologies: AZURE, AWS.

- Libraries/Packages: Scikit-learn, Pandas, NumPy, Pytorch, TensorFlow, nltk, OpenCV, Beautiful Soup, Keras, Matplotlib, Seaborn.

- Database's: Microsoft Azure SQL, SQL Server, MySQL, MongoDB.

- Languages: Python, R.

- Visualization Tools: Power BI, Matplotlib, Seaborn, Bokeh, MS PowerPoint.

- Operating Systems: Red Hat Linux, UNIX, Solaris, Windows.

## ACHIEVEMENTS

- Rank 1 in Hacker Rank (SQL).

- Certification in machine learning from Stanford university.

- Crack Microsoft SQL Server Exam.

- Cleared IIT JEE -2013 and was among 1% of the students who cleared JEE Advanced.

## POSITION OF RESPONSIBILITIES

- ASSISTANT SECRETARY OF National service scheme IIT Dhanbad chapter.

- Representing the Mess Committee of TOPAZ HOSTEL, IIT Dhanbad.

- Co-Ordinator of basketball during PARAKRAM 2k16, an All India Inter College Sports fest at IIT Dhanbad.

## EXTRA-CURRICULAR ACTIVITIES

- 2nd Runner Up, Platform 101 at IIT Guwahati- Focused on innovative ideas for producing energy on "Asphalt pavement Energy Utilization"

- Silver Medalist in athlete in 200, meter in district level in level in "Khel kud pratiyogta" at BIHAR. 2009.

- Silver Medalist in athlete in 4*100 meter in ANNUALSPORTS MEET in IIT Dhanbad.

## Interests

- Photography, Playing Piano.