

# Renu Verma

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[Linkedin](#) | [GitHub](#) | [Medium](#) | [Jovian](#) | [Kaggle](#)

## WORK EXPERIENCE

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### Data Science Intern - Centre for Digital Financial Inclusion (CDFI) (Nov 2022 – present)

- Created interactive Dashboard in Power BI to track and analyze Medicare Providers & Claim Analysis.
- Created Warehouse Dashboard highlighting KPIs such as Floor space utilization, On-time deliveries etc.
- Created ODI Cricket Dashboard highlighting various graphs such as strike rate, maximum wicket etc.
- Machine Learning project determining bone marrow transplant survival chance using Random Forest
- Budget Planning by Linear Programming using Python, Pulp Library and Excel solver

### Deputy Manager - Heavy Engineering Corporation Limited (Nov 2012 - Sep 2022)

- Analyzed requirement, Designed and Engineered EOT Cranes (50+), Excavator (5+)
- Liaisoning with M/o Heavy Industries, preparation of DPR & ATR, leading to grants of over Rs. 50 Cr.
- Requirement Analysis, Procurement, Vendor assessment, preparation of detailed purchase documents

### Senior Engineer - Ambuja Cement Limited (July 2008 - Nov 2012)

- Planning, Installation & commissioning of Instrumentation system of Cement plant of 7000 tons/day
- Ensured compliance of OHSAS-18001, EMS-14001 & ISO-9001, leading to 1st prize for my department
- Awarded incentive bonus as a token of appreciation for achieving project target in ACL Line-2 project

## EDUCATION

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### Data Science Bootcamp, Jovian (May 2022 - Ongoing)

Courses: Python Programming, Statistics, Data Analysis & Visualization, Machine Learning, SQL & Analytics  
Highlights: 600+ hours of coursework, 10 coding assignments, 3 projects (Web scraping, EDA, ML)

### Shri Shankaracharya College of Engineering and Technology, Bhilai, India (2004 - 2008)

B.E, Electronics & Telecommunication (GPA: 7.86/10)

### Symbiosis Center of Distance Learning (2009 - 2011)

PGDBA, Operation Management (65.65%)

## PROJECTS

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### Exploratory Data Analysis and Visualization of Chicago Divvy bicycle sharing dataset([View](#))

- Analyzed Divvy bicycle dataset from Kaggle for **9.3 million+** trips containing **23 columns** using **Pandas**
- Created visualizations (**sunburst plots, geo heatmaps**, etc.) using **Seaborn, Plotly & Folium**
- Discovered 99.9% of the rides are subscribers only and 5-10 min rides are the most frequent rides

### Scraped Amazon's Top Rated Book details using Requests & BeautifulSoup4 ([View](#))

- Scraped top rated books in each genre from Amazon.in website using **Requests** and **BeautifulSoup4**
- Extracted data such as **book topic, book name, book url, author name**, pricing, rating, star rating etc
- Stored data consisting of **1700 rows x 8 columns** and into top\_rated\_books.csv using Pandas

### Bookshop Analysis Using Excel and Tableau([View](#))

- Analyzed the dataset of 59 books containing different sheets using Pivot Tables, Vlookup in Excel
- Loaded the dataset in tableau and created a dashboard having map, bar plot, packed bubbles etc
- Discovered that the United States has the highest no. of Authors, SciFi is the most popular Book Genre

### Kaggle Spaceship Titanic Machine Learning Competition

- Used Random Forests, XGBoost, CatBoost and achieved accuracy score of 0.80734
- Achieved accuracy under Top 10 % in Kaggle Titanic Machine Learning Competition

## SKILLS & CERTIFICATIONS

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**Certifications:** Coursera Google Data Analytics([View](#)), Jovian Data Analysis with Python: Zero to Pandas([View](#)), Udemy Tableau 2020 A-Z:Hands on Tableau Training for Data Science([view](#)) Coursera AI for Everyone by Deep learning ([View](#))

**Skills:** SQL, Python, Pandas, Numpy, Matplotlib, Seaborn, Plotly, Scikit-learn, Power BI, Tableau, Excel