|  | Elesh Rudra    **Data Scientis|Python|Machin Learning Engineer**  **8.5 Years Work Experience** |  |
| --- | --- | --- |

|  | Image result for gMAIL png transparent background | rudra.elesh@gmail.com | Image result for contact logo png transparent background | +919228135118 | Image result for linkedin logo png transparent background | <http://www.linkedin.com/in/elesh-rudra-0472012b> |
| --- | --- | --- | --- | --- | --- | --- |

| Related image | Kevision Systems. | Sept 2016- Present. | System Executive. |
| --- | --- | --- | --- |
| Optimized Solutions Pvt. Ltd | March 2015 – July 2016 | Application Engineer. |
|  | UNJH Solution. | Oct 2013 – March 2015 | Junior Engineer. |
|  | GTPL Pvt. Ltd | May 2013 – Sept 2013 | Graduate Trainee Engineer. |

**Technical Skill**

* Pyhton, Numpy,PANDAS
* ML, Tableau
* SVN, GITHUB Tools
* My SQL , MSSQL Database
* Knowledge of Product Development and product life-cycle
* NI LabVIEW, NI Vision System, NI cRIO.
* NI VISA, RS-232, RS-485, Modbus communication.

**Certification**

* Data Scientist

<https://success.simplilearn.com/46741421>

**Professional Skill**

* Team Lead
* Project Lead

**Work Experience & Projects**

* **Data Science Projects** 
  + **Customer-Service-Requests-Analysis**

**o Performed a service request data analysis of New York City 311 calls. Performed data wrangling techniques to understand the pattern in the data and also ,**

**o visualize the major complaint types.**

* + **Domain: Customer Service**
  + [**https://pythonandmlbasics.quora.com/Customer-Service-Requests-Analysis**](https://pythonandmlbasics.quora.com/Customer-Service-Requests-Analysis)
  + **Movielens Case Study (Python)1. User Age Distribution**
  + **2. User rating of the movie “Toy Story”**
  + **3. Top 25 movies by viewership rating**
  + **4. Find the ratings for all the movies reviewed by for a particular user of user id = 2696**
  + **· Feature Engineering:**
  + **Use column genres:**
  + **1. Find out all the unique genres (Hint: split the data in column genre making a list and then process the data to find out only the unique categories of genres)**
  + **2. Create a separate column for each genre category with a one-hot encoding ( 1 and 0) whether or not the movie belongs to that genre.**
  + **3. Determine the features affecting the ratings of any particular movie.**
  + **4. Develop an appropriate model to predict the movie ratings**
  + **https://pythonandmlbasics.quora.com/Movielens-Case-Study**
  + **Mercedes-Benz Greener Manufacturing (ML-Python)**
* **Business Problem**
* **Mapping Business Problem into Machine Learning problem**
* **Performance Metric**
* **Data Loading and EDA(Exploratory Data Analysis)**
* **Feature Engineering**
* **Existing Approaches**
* **My First cut approach**
* **Machine Learning models**
* **Model Comparison**
* **Final ML Pipeline**
* **Future Extensions**
* **References**

**https://medium.com/swlh/greener-manufacturing-with-machine-learning-6ec77d0e7a91**

**we reduce the time that cars spend on the test bench. Optimal algorithms will contribute to faster testing, resulting in lower carbon dioxide emissions without reducing Mercedes-Benz’s standards.**

* + **Real Estate Case Study(Capstone project)**

**Performed EDA and come out with insights into population density and age.**

**deriaved rent as a percentage of income at an overall level and for different states.**

**Performed correlation analysis for all the relevant variables by creating a heatmap.**

**Build a linear Regression model to predict the total monthly expenditure for home mortgages loan.**

# Sales Performance Analysis using Tableau

1. **Use the Saved Sample — Superstore dataset.**
2. **Create a bullet chart with Category and Segment dimensions and Sales measures.**
3. **Blend the data with the Saved Sample — Sales Target data set to bring in the Sales Target measure.**
4. **Color code the chart to identify Categories and Segments that are above or below target.**
5. **Add the year of sales to the view to identify trends and outliers.**
6. **Add a filter so that the user can select one, more than once, or all years.**
7. **Create a dashboard with this view.**

[**https://mstoned.medium.com/sales-performance-analysis-using-tableau-ba7c3fbb4b75**](https://mstoned.medium.com/sales-performance-analysis-using-tableau-ba7c3fbb4b75)

**Proven IT Professional with experience of 9 + years in Software Development & Project Implementation and 6 + years and currently working as a Lead Data Scientist Machine Learning & Deep Learning Developer. Possess widespread and progressive experience in the IT industry, focusing on business analysis, design, development, implementation and migration of large-scale, big budget business transformation projects. Impeccable knowledge for initiating applications with Algorithms, Data structures, Binary tree, Artificial Intelligence, Machine Learning, Deep Learning, Convolutional Neural Network, Recurrent Neural Network, and Software Development & Project Implementation.**

**Currently Spear Heading as a Technical Lead with Honeywell Technology Solution, Bangalore, India. Actively contributes in conducting expert business & systems analysis, identifying business improvements & information systems solutions, coordinating & scheduling projects, developing & monitoring project plans, and managing the end-to-end delivery of projects**

* **Track & Trace Solution For Pharmaceutical Packing.** 
  + Developed Image capturing and processing algorithms for OCR/OCV and barcode detection Batch process management algorithms development for serialization and parent child relation, User management algorithms development, Third party (like Tracelink, Tracekey) integration for batch data download and Database MSSQL and MySQL) usage for data storage and hardware interfacing like camera, printers and input/output card.
  + NI LabVIEW, Vision , Smart Camera, Point Grey Industrial Grade Camera used for Decode DOTCODE and 2D code for complete Parent-Child relationship.
  + Integrated Industrial Printer Like TIJ, TTO Laser printer in Our Product.
  + Project procurement management from start to end till dispatch of Products ( 140 + systems) with internal-external teams.
* **Complete Label Inspection System**
  + Report generations & Image processing algorithms, for defect detection between two printed labels and hardware interfacing like camera and input/output card.
* **Centrifugal Pump Testing facility (Ingersoll Rand)**
  + Automatic testing of Centrifugal air compressor and generation of quality report.
  + NI cRIO, NI-VISA used for developing this system.
* **Pump Testing Facility (JEE Pump).**
  + Automatic Pump testing facility both the vertical and horizontal.
  + NI cRIO, NI-VISA used for developing this system.
* **Solar Power Project 60MW & 30MW (DATA Acquisition project) at Jodhpur, Rajasthan& Durg, chattisgarh.**
  + Data acquisition at control room , using fiber ring topology of ITC rooms each room as inverters and fuses boxes they connect serially and terminates gate way at control box at that room and
  + That gateway connects with phoenix ether/FO switch and switch connect in ring topology. This data gathered at control room lab view system and all parameters inserted predefined templates. Lastly all templates sent to head office through FTP.
* **Data acquisition for small scale industry (PLC based Automation) .**
  + Developed database related software for number of companies, Endurance Test System for MCCB at L&T, Fermentation Process System, Bag Capacity Test (Packaging Ind.), Temperature Measurement System.
* **Digital & Analog Channel Broadcasting**
  + Daily manual report generation of every setup top box like Cisco, Gtpl Hathway, Many more.
  + Make on line new Channel with satellite configuration

**Education**

* **GEC, Modasa, Gujarat — Bachelor of Engineering (G.T.U.)**
  + JULY2009 - JUNE 2012 (Electronics & Communication).
  + Industrial training (JULY 2011 - MAY 2012) at Hitachi hi-rel power electronics pvt. ltd, Gandhinagar, Gujarat.
* **GP, Ahmadabad, Gujarat — Diploma of Engineering(T.E.B)**
  + JULY 2006 - JUNE 2009 (Electronics & Communication).
  + Industrial Training (JAN 2009 - MAY 2009) at Reliance communications ltd, Ahmadabad, Gujarat.

**Language**

* **English [ Read|Write|Speak]**
* **Hindi [ Read|Write|Speak]**
* **Gujarati[ Read|Write|Speak]**
* **Telugu [ Speak]**