Stock Portfolio Analyser

# Problem & background

The need to understand returns and industry wise diversification

# Solution

Use of data type tool of excel and formulas along with pivot table and conditional formatting

# Methodology & Project scope

1. Get Stock data
2. Insert my investment data
3. Calculate returns
4. Conditional formatting for better visualisation
5. Pivot Table to ascertain industry wise diversification and returns

# Goals & KPIs

1. Get stock data and calculate returns
2. Ascertain industry wise diversification

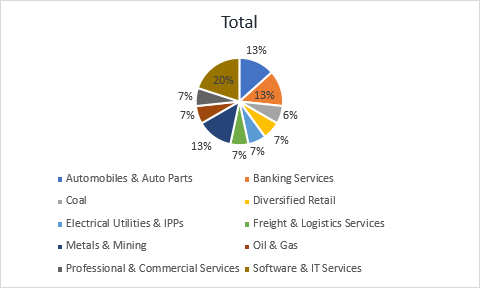
# Concepts Used

1. Stock data can be obtained from data type tool
2. Pivot Table can be used to summarise data
3. Conditional Formatting for better visualisation
4. Formulas to calculate returns(subtraction and multiplication and sum function)
5. Pivot Charts to visualise data->pie chart used

# Conclusion

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Security** | **Change (%)** | **52 week high** | **52 week low** | **Price** | **Industry** | **Instrument type** | **My ownership** | **Average Price** | **Invested Price** | **Current Price** | **Returns** |
| HOUSING DEVELOPMENT FINANCE CORPORATION LIMITED (XNSE:HDFC) | -0.90% | ₹ 2,933.80 | ₹ 2,026.00 | ₹ 2,577.15 | Banking Services | Stock | 10 | ₹ 757.47 | ₹ 7,574.68 | ₹ 25,771.50 | ₹ 18,196.82 |
| TATA CONSULTANCY SERVICES LIMITED (XNSE:TCS) | -0.39% | ₹ 3,759.45 | ₹ 2,868.01 | ₹ 3,400.45 | Software & IT Services | Stock | 7 | ₹ 694.57 | ₹ 4,862.00 | ₹ 23,803.15 | ₹ 18,941.15 |
| COAL INDIA LTD (XBOM:533278) | 1.05% | ₹ 263.30 | ₹ 149.00 | ₹ 217.10 | Coal | Stock | 7 | ₹ 929.62 | ₹ 6,507.31 | ₹ 1,519.70 | ₹ -4,987.61 |
| RELIANCE INDUSTRIES LIMITED (XNSE:RELIANCE) | 0.68% | ₹ 2,856.15 | ₹ 2,180.00 | ₹ 2,383.70 | Oil & Gas | Stock | 6 | ₹ 1,079.74 | ₹ 6,478.41 | ₹ 14,302.20 | ₹ 7,823.79 |
| ADANI TRANSMISSION LIMITED (XBOM:539254) | -5.00% | ₹ 4,238.55 | ₹ 711.90 | ₹ 711.90 | Electrical Utilities & IPPs | Stock | 18 | ₹ 763.87 | ₹ 13,749.57 | ₹ 12,814.20 | ₹ -935.37 |
| TECH MAHINDRA LIMITED (XBOM:532755) | -0.76% | ₹ 1,525.70 | ₹ 914.67 | ₹ 1,120.00 | Software & IT Services | Stock | 24 | ₹ 917.05 | ₹ 22,009.08 | ₹ 26,880.00 | ₹ 4,870.92 |
| Raiffeisen Bank International AG (XWBO:RBI) | 1.05% | ₹ 35.41 | ₹ 9.86 | ₹ 15.39 | Banking Services | Stock | 25 | ₹ 1,192.55 | ₹ 29,813.84 | ₹ 384.75 | ₹ -29,429.09 |
| Vedanta Limited (XBOM:500295) | -2.77% | ₹ 440.75 | ₹ 206.10 | ₹ 294.50 | Metals & Mining | Stock | 23 | ₹ 1,125.73 | ₹ 25,891.82 | ₹ 6,773.50 | ₹ -19,118.32 |
| ONE 97 COMMUNICATIONS LIMITED (XNSE:PAYTM) | 2.79% | ₹ 844.70 | ₹ 438.35 | ₹ 623.50 | Professional & Commercial Services | Stock | 16 | ₹ 566.56 | ₹ 9,064.99 | ₹ 9,976.00 | ₹ 911.01 |
| Zomato Limited (XNSE:ZOMATO) | -0.91% | ₹ 88.70 | ₹ 40.60 | ₹ 54.45 | Software & IT Services | Stock | 12 | ₹ 462.20 | ₹ 5,546.39 | ₹ 653.40 | ₹ -4,892.99 |
| Nippon Yusen Kabushiki Kaisha (XFRA:NYKA) | 7.23% | ₹ 101.00 | ₹ 9.40 | ₹ 25.35 | Freight & Logistics Services | Stock | 21 | ₹ 429.87 | ₹ 9,027.36 | ₹ 532.35 | ₹ -8,495.01 |
| Fsn E-Commerce Ventures Ltd (XNSE:NYKAA) | -2.24% | ₹ 315.44 | ₹ 120.70 | ₹ 142.15 | Diversified Retail | Stock | 12 | ₹ 1,451.15 | ₹ 17,413.81 | ₹ 1,705.80 | ₹ -15,708.01 |
| TATA STEEL LIMITED (XBOM:890144) | 12.77% | ₹ 238.10 | ₹ 202.05 | ₹ 233.50 | Metals & Mining | Stock | 22 | ₹ 878.25 | ₹ 19,321.55 | ₹ 5,137.00 | ₹ -14,184.55 |
| MAHINDRA AND MAHINDRA LIMITED (XBOM:500520) | -2.39% | ₹ 1,396.00 | ₹ 671.00 | ₹ 1,282.05 | Automobiles & Auto Parts | Stock | 3 | ₹ 1,285.25 | ₹ 3,855.74 | ₹ 3,846.15 | ₹ -9.59 |
| TATA MOTORS LIMITED (XBOM:500570) | -1.27% | ₹ 500.35 | ₹ 366.05 | ₹ 427.70 | Automobiles & Auto Parts | Stock | 6 | ₹ 1,402.95 | ₹ 8,417.72 | ₹ 2,566.20 | ₹ -5,851.52 |
| **Total** |  |  |  |  |  |  |  |  | **₹ 189,534.26** | **₹ 136,665.90** | **₹ -52,868.36** |
|  |  |  |  |  |  |  |  |  |  |  | **Loss** |

|  |  |
| --- | --- |
| **Industry** | **Count of Security** |
| Automobiles & Auto Parts | 13.33% |
| Banking Services | 13.33% |
| Coal | 6.67% |
| Diversified Retail | 6.67% |
| Electrical Utilities & IPPs | 6.67% |
| Freight & Logistics Services | 6.67% |
| Metals & Mining | 13.33% |
| Oil & Gas | 6.67% |
| Professional & Commercial Services | 6.67% |
| Software & IT Services | 20.00% |
| **Grand Total** | **100.00%** |

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| **Industry** | **Sum of Returns** |
| Automobiles & Auto Parts | -5861.114621 |
| Banking Services | -11232.26288 |
| Coal | -4987.605416 |
| Diversified Retail | -15708.01341 |
| Electrical Utilities & IPPs | -935.3736639 |
| Freight & Logistics Services | -8495.013802 |
| Metals & Mining | -33302.86087 |
| Oil & Gas | 7823.789902 |
| Professional & Commercial Services | 911.0120947 |
| Software & IT Services | 18919.08038 |
| **Grand Total** | **-52868.36229** |

# Project owner

Name: Shreshth Vashisht

Date: February 26th 2023