VARSHA RAI

DATA SCIENTIST

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EXPERIENCE

Financial Analyst | Genex Infra Services

MAY 2017 - 2019, NEW DELHI, INDIA

- Implemented a customized Financial & Marketing Report that benefited management with insight into operations, earnings before interest and tax, gross margins, forecast, budgeting, and employee utilization.
- Analyzed and reported data after completion of the project regarding the budgeted, forecasted and actual cost of the project. Discussed variance analysis of the project and other related costs.
- Optimized existing database to provide the company more comparison base and better variance analysis.
- Worked with data management to extract and analyze data using tools like SQL, MS- Excel to forecast upcoming projects, profit margins, present value cost of the project.
- Implemented marketing analytics solutions using Tableau; identifying potential threats, rival companies, and promotional campaigns.
- Worked with the data management team on defining best practices for database design and querying within the company.

Accounts Executive | Bharat Heavy Electricals Limited

FEB 2015 - 2016, VARANASI, UP, INDIA

- Filed Sales tax returns, maintained assets records related to purchase, amortization and disposal of assets.
- Handled vendor payment and ensured on-time release of payment.
- Handled Purchase order efficiently and accurately in terms of tax associated with product and quantity ordered.
- Created management reports in MS- Excel and MS-Word to help the year-end financial reporting and annual filing.

Financial Services Consultant | National Highways Authority of India

JAN 2013 - 2015, NEW DELHI, INDIA

- Prepared Excel-based Financial Model for various Highway projects to determine total project cost, concession period, amount of annuity/grant/premium, Economic Internal Rate of Return and Net Present Value.
- Reported the financial viability of the participating contractors for highway projects.
- Prepared contract documents between Highway Authority and Contractor with the help of proofreading and comparison tools to help the Authority in completing legal compliance of contracting.
- Prepared project end cost analysis, variance analysis to report the profit margin, employee utility, and to provide the comparison base for future projects.

SKILLS

SQL, Python, MS-Excel, R, Hypothesis Testing, A/B Testing, Parametric and non-parametric tests, Tableau, Matplotlib, Plotly, Bokeh, Seaborn, Tensorflow, Keras, PyTorch, AWS, Hadoop, Spark, Hive

PROFILE

Adept, analytical and detail-oriented Data Scientist with 5+ years of experience in the finance-related roles. I developed a deep interest in analytics during my last role. I am seeking to pivot into an advanced analytics role where I can apply my statistical, technical and financial knowledge as most of the sectors in the industry are driven by data-based and ML-assisted decision-making processes.

EDUCATION

BrainStation | Diploma Candidate, Data Science

APR - JUN 2020, TORONTO, ON

Chattrapati Shahu Ji Maharaj University | Masters in Commerce, Marketing & Finance

2013 - 2017, RAE BARELI, INDIA

Chattrapati Shahu Ji Maharaj University | Bachelors in Commerce, Finance

2009 - 2012, RAE BARELI, INDIA