Kalyani Nyalkalkar

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Profile links: [LinkedIn](#)| [GitHub](#)| [Tableau](#)|

Education

Master of Science, Engineering Management	*San Jose State University*, CA, USA	**|GPA 3.36|***Graduating:* **May 2021**
Bachelor of Engineering, Electrical and Electronics Engineering *Osmania University, India*	**|GPA 3.8|** *Graduated:* **May 2013**

Skills

Technologies: Python**,** SQL, Mongo dB, HTML, JavaScript, Agile Methodologies, SDLC
Frameworks: DMAIC Tools, FMEA, Lean Logistics and Kano model, Dell Migration Tool
Tools: PyCharm, Jupyter notebook, Minitab, MS Office 365, Excel, power pivot, Kanban, Kaizen, Google analytics, Tableau, Power BI
Python Libraries: Matplotlib, Pandas, Ski Learn, Seaborn, NumPy, SciPy. Stats
Project Management Tools: Jira, Asana, Jile, Agile Methodology, SharePoint , SWOT analysis

Academic Courses

Engineering Statistics	Business Analytics	Data Mining	Agile Methodologies
Systems Engineering	Lean six sigma Management	Project Management	

Professional Experience

Systems Engineer, Tata Consultancy Services   *Jun 2017 - Feb 2018*

- Identified, analyzed and interpret trends in complex data sets and developed monthly reports on share point web portal which improved efficiency of project by 15% incremental improvement.
- Collaborated with stakeholders across the organization and proposed solutions according to the business insights to meet
- Designed and implemented business workflows to automate the process, which resulted in reduced production time by 31%

Software Engineer, Tech Mahindra   *Oct 2013 – May 2017*

- Involved in requirement gathering, Business process modelling, design and unit testing of around 200 applications
- Built business intelligence solution by highlighting the key performance indicators for client data on daily basis by using power BI and share point which was scaled to 2000 global users
- Implemented Business connectivity web services to handle manufacturer records, history and optimized the product process by distributing requests across users.

Projects

Employment rate analysis based on income: |ETL| Python| Sql| Tableau   **Oct 2020-present**

- Data was extracted and merged with unemployment and income datasets on basis of county and state and were normalized and preprocessed using panda's data frame.
- Loaded the output and connected to MySQL using sqlAlchemy performed multiple ad-hoc queries and generated interactive dashboard and identified the highest unemployed county with diversity index at 6.1%

Customer Segmentation and Business analytics for Ecommerce store| *matplotlib|pandas|numpy|Skilearn|Scipy*   *Sep 2020 -Oct 2020*

- Visualized customer purchasing pattern by k means clustering and analyzed the correlation among the products through pair plots.
- Identified the top 5 successful products for business strategy which resulted in 57% growth in revenue of ecommerce store

Employee Attrition analytics for software Industry |Tableau| Excel   *July2020 -Aug2020*

- Developed dashboard on key performance indicators metrics like business operations and departments and analyzed the cause of employee attrition in software industry which typically dropped from 23% to 16% annually.

Project Management of IEM Agile Website: |Jira| *Aug2020 -Sep2020*

- Implemented Features and defined user stories for the IEM website and tracked the progress of the project using Jira

Stock Market analysis to predict the volatility of stock|Seaborn*|python|matplotlib|pandas|numpy|*   *May2020-Jun2020*

- Visualized the data and resampled the data on moving average basis for quarterly as well as yearly and determined the growth of the stock.

Achievements

Academic Excellence Award:
Honored for Consistently being the Topper of my branch for all the four academic years
Certifications:

- Tableau Analyst certified by Tableau
- Certified Six Sigma Green Belt
- Certified SAFe® 5 Practitioner