Sanyukta Baluni

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Education

Pennsylvania State University   *State College, PA, USA*
BS in Computer Engineering   May 2018

Technical Skills and Certifications

- **Domain Experience:** Analytics, Supply Chain Management, Warranty
- **Programming Languages:** Python (numpy, pandas, matplotlib, seaborn, scikit-learn), R, C/C++, HTML/CSS
- **Datascience Knowledge:** Unsupervised and Supervised Machine Learning, Statistics
- **Databases:** Relational Database, SQL, MySQL, Amazon Redshift
- **Cloud Platforms:** Amazon Web Services, Pivotal Cloud Foundry
- **Tools:** Anaconda, Advanced Excel, Oracle Business Intelligence Applications, Logility
- **Certifications:** Udemy MySQL for Data Analytics and Business Intelligence

Experience

Accenture Operations   *Mumbai, India*
Analytics Associate   *July 2019 - Present*

- **Book publishing client**: Worked on inventory optimization and demand forecasting
- Designed an inventory management to calculate re-order quantity, maintain optimum safety stock and compute excess stock based on various parameters. The tool was deployed in many of the Latin American countries and Turkey
- Performed Segmentation of different SKUs based on past Sales using Time Series forecasting. Increased FAC by ~50%
- Tracked KPIs to drive operational improvement, ensure business benefits and customer satisfaction
- Developed multiple dashboards in Excel for representing client business and performed automation using Python.
- **Automotive client**: Created reports using SQL, Python and R to track daily warranty data
- Assisted in deployment of Warranty application on AWS and PCF platform
- Worked on AWS for integration purposes and worked on services like Lambda, S3, Glue and Step functions

Alpha Alternatives   *Mumbai, India*
Quantitative Analyst Trainee   *Oct 2018- Jan 2019*

- Researched and analyzed market trends to make modeling decisions and test new models and programs
- Developed and implemented complex quantitative models (e.g. models for trading equities) and analytical tools using software like Amibroker and Python
- Worked closely with traders on algorithmic trading strategies, market dynamics, trading system performance

Department of Mechanical and Nuclear Engineering   *Penn State, USA*
Undergraduate Research Assistant   *Jan 2017 – May 2017*

- Designed a project to devise strategies of successful women faculty in engineering to overcome microaggressions and published a paper for the same
- Conducted semi-structured and in-depth interviews with women faculty in the U.S
- Carried out qualitative analysis of data through constant comparative methods and derived results of the study

Projects

- **Data scientist Salary prediction**
- **Flight Fare prediction**
- **Diabetes Predictor**

Leadership Roles and Extracurricular

- **Explorium (Mumbai)-** *Mentor and Technology Expert*   *July 2018 – Sep 2018*
- **Association Of Women in Computing**- *Web Coordinator and Treasurer*   *Aug 2015 – May 2018*
- **Society of Women Engineers** – *National Member*   *Aug 2014 – May 2018*
- **THON 2016**- *Rules and Regulations Committee member*   *Fall 2015*
  Assisted in maintenance of rules and regulations during THON, the biggest student run philanthropy in the world