

Menita Koonani Mohan

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<https://menitakoonani.github.io>

EDUCATION

Northeastern University, Boston, MA

Master of Science in Information Systems

Aug 2019

Interests: Business Intelligence and Data Warehousing, Database Management and Design, Advances in Data Sciences

Anna University, Chennai, Tamil Nadu

Bachelor of Engineering in Instrumentation and Control

May 2016

TECHNICAL SKILLS

BI & warehousing:	Tableau, Kibana, Power BI, Talend, SSIS, Qlik View, MS Excel
Databases:	MySQL, Redshift, PostgreSQL, MS SQL Server, Oracle 11g
Programming:	Python, SQL, Java, AngularJS, JavaScript, JQuery, HTML, CSS, C++, Scala
Cloud Services:	AWS – EC2, Lambda, S3, Code Deploy, CloudFormation, API Gateway, IoT Core, ElasticSearch
Other Tools:	Kibana, Jupyter, Toad Data Modeler, VMware, JMeter, Git, Travis CI, Linux

EXPERIENCE

Amazon, North Reading, MA - *Data Analyst Co-op*

Jun 2018 – Dec 2018

- Analyzed Change Orders data creating interactive **Tableau** stories assisting management in making business decisions
- Implemented a pipeline to retrieve image data from **Redshift** cluster to **S3** which were further used for classification
- Deployed a **Python-Flask/AngularJS** application on **AWS EC2** to scrutinize onsite Pod Rivet Inspection remotely that resulted in saving expenses up to \$75,000 and reducing the defect rate to 0.004% compared to manual rivet inspection
- Monitored real time battery life and connection shadow state of Raspberry Pi devices installed on fulfillment center floors using **Elasticsearch** and **Kibana** dashboards to keep track of the number of Pods built in various centers
- Automated the deployment pipeline (**CI/CD**) of all projects using **AWS Cloud Formation & Code Deploy** with Unit Tests
- Eliminated Spreadsheet reporting, reducing 99% processing time and increasing report accuracy (Python/AWS)
- Redesigned performance metrics, enabling accurate project tracking and increasing productivity (Python/AWS)

ZOHO Corporation, Chennai, India - *Software Engineer*

May 2016 – Jul 2017

- Visualized usage of ZOHO Connect – Team Collaboration product's app modules using Tableau dashboards; developed new features on potential modules resulting in increased customer sign ups and number of product purchases by 10%
- Implemented ZOHO's Mickey framework with **PostgreSQL** for refined query construction and optimized web application
- Developed features like Onboarding, Notification, Settings and Permissions using Java/Struts2/JavaScript/JQuery

Project Intern

Jan 2016 – Apr 2016

- Designed and developed a college database web app to perform CRUD operations using Java, JavaScript, JQuery, MySQL

ACADEMIC PROJECTS

Project Repository: <https://github.com/MenitaKoonani>

Data Warehousing & Business Intelligence - <https://public.tableau.com/profile/menita.koonani#!>

Apr 2018

- Created Dimensional model of AdventureWorks database in Toad Data Modeler simplifying Data Warehouse creation
- Performed ETL using Talend and SSIS to migrate data from multiple sources to target warehouses in MySQL, SQL Server
- Visualized and provided insight on data by creating interactive, elegant dashboards in Tableau, Power BI and QLIK View

Classification of HR Analytics Dataset

Apr 2018

- Pre-processed and cleaned HR Analytics dataset for missing values, outliers using Python Matplotlib & Seaborn libraries
- Performed EDA on the dataset to find employee attrition rate using Pandas and Numpy; identified employee groups based on the contribution of a variety of factors using KMeans clustering and Regression models in Python

Video sharing Database Management System

Dec 2017

- Designed a normalized ER Model and developed database to mimic YouTube video sharing using Toad Data Modeler
- Executed user end functionalities by implementing stored procedures, triggers, sub-queries and views in MySQL