Menita Koonani

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EDUCATION

Northeastern University, Boston, MA

Master of Science in Information Systems (GPA – 3.61)   *Aug 2019*
   Courses: 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, MongoDB
Programming:	Python, Java, AngularJS, JavaScript, HTML, CSS, C++, C, Scala
Cloud Services:	AWS – EC2, RDS, Lambda, SNS, S3, Code Deploy, CloudFormation, API Gateway, IoT Core
Other Tools:	Elasticsearch/Kibana, Jupyter, Toad Data Modeler, VMware, JMeter, Git, Travis CI, Linux

EXPERIENCE

Amazon Robotics, North Reading, MA

Data Analyst Co-op   *June 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

ZOHO Corporation, Chennai, TN, India

Member Technical Staff   *May 2016 – July 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

Data Warehousing and Business Intelligence   *Jan 2018 – 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   *Mar 2018 – 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   *Nov 2017 – 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**