Vamshi Bitchala

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Education

University of Georgia	*Athens, GA, US*
Master of Science in Computer Science	*Aug 2021-June 2023*

Osmania University	*Hyderabad, Telangana, India*
Bachelor of Engineering in Electronics and Communication	*Sep 2014 – Jun 2018*
Percentage: 76.2%	

Skills

Languages	: Java, JavaScript, Python
Databases	: Postgres, MySQL, MongoDB, Oracle
Web Technology	: Angular, ReactJS, NodeJS, HTML5, CSS3
IDEs	: Eclipse, IntelliJ, Jupyter, VS code
Visualization Tools	: Tableau, Power BI, Advanced excel
Big Data	: Kafka, Hadoop, Hive, Spark, AWS Redshift, Snowflake, Big-Query
CI/CD	: Git, Jenkins, Docker, Kubernetes

Professional Experience

Synchrony Financial	*Hyderabad, India*
Software Developer	*Dec 2018 – May 2021*

Responsibilities:

- Work in cross-functional teams to deliver end-to-end 'data solutions' using various frameworks, and tools both on-prem and cloud.
- Developed the user interface for CYO (Code Your Own) module which is an interactive query service for INAPPBI where users can enter different queries like JS, MS SQL, Mongo, Big Query etc
- Developed POC of React Native Application where implemented authentication and also enabled sharing of data between WEB and MOBILE components including the Redux store so that we can optimize the code at least by 50-60%.
- Converted the 70% of the product code which is present in angular js to react js and used IFrames for rest of the things in the most possible way.
- Good development experience using databases like MySQL, and MongoDB database.
- Designed and implemented various REST APIs in .NET Core.
- Solid hands-on experience of CI/CD processes using Jenkins. Developed Pipelines with various stages such as checkout, build, unit testing etc.
- Experience Docker orchestration and Docker containerization using Kubernetes.

Analyst

Responsibilities:

- CLD and High-Risk closures strategy - Performed Segmentation on the existing book using K-means algorithm for differentiating the risk of the accounts. Using the above Segmentation, I built a new streamline process for identifying the population where the Credit Line Decrease and High-Risk Closures can be performed to turn the portfolio profitable. This process is faster than any other existing processes by 30%. Saved about 20% of book balance from turning into losses.
- Developed an app along with our team which allows user to download data from any data sources like data warehouses like XCDCIP3, XCDCIP5, RDG etc onto spreadsheets without writing any code. Used python, Shell scripting, SQL.
- Acquisition score leverage analysis - Perform exploratory data analysis on a new internal acquisition score. Build regression models to get an equivalent of old score from new score. Understand how this score can be leveraged on the existing acquisition strategies to find new segments where approval rate can be increased thus meeting the client SLAs.
- Automated the monthly, weekly and daily reports using Cronjobs and Tableau. Improved time efficiency by 20% by these automations.

Accenture   *Hyderabad, India*
Title: Associate Software Engineer   *Aug 2018 – Dec 2018*
Technology Stack: **SAP ABAP**

Responsibilities:
- Build ERP modules using SAP ABAP for the client.

Modak analytics   *Hyderabad, India*
Title: Internship   *3 months, Jan 2018 - Mar 2018*
Technology Stack: **Java, Springboot, MongoDB, PostgreSQL, JavaScript.**

Responsibilities:
Worked on Data engineering projects like building pipelines for data transformation and data Ingestion to an internal data warehouse. This project helped organization in their analytical projects.

Others Projects

Cinema e-Ticket Booking system

Technology Stack: **Java, Springboot, JavaScript, HTML, CSS, MySQL, JavaScript.**

Developed a web application which let users to book movie tickets online. This application shows trailers, available theaters, reviews etc. Admins can manage the movies.

Developed a system
Movie Recommendation System (Python)

Developed an application which provides personalized movie recommendations to the user. The recommendations are based on suggestions and reviews of people following similar genre.

Pearson Correlation Coefficient and **Euclidean distance** formula are utilized for classification.