

EDUCATION

Master of Science in Computer Science, *The University of Texas at Dallas* **GPA – 3.55** Dec 2019

- *Relevant Coursework*: Design and Analysis of Computer Algorithms, Web Programming Languages, Machine Learning, Big Data Management and Analytics, Artificial Intelligence, Natural Language Programming

Bachelor of Engineering in Electrical and Electronics Engineering, *CBIT* **GPA – 80.98** May 2015

LANGUAGES AND TECHNOLOGIES (*- Exposure)

Programming Languages: Java, Python, JavaScript

Version Control Systems: Git

Databases: SQL, NoSQL

Tools and IDE: VS Code, IntelliJ, Jira, Pivotal Tracker, Invision, Maven, Concourse CI/CD, New Relic

Frameworks and Technologies: ReactJS, React Native, Redux, AngularJS, Spring MVC, Big Query, Jest, BDD

OS and Cloud: Windows, macOS, GCP, AWS*

PROFESSIONAL EXPERIENCE

Software Engineer **The Home Depot** Jan 2020 - Present

- Designed and Implemented end-to-end solutions to improve Cart Experience for online customers.
- Building scalable UI for excellent customer experience by incorporating reliability into systems.
- Implemented various features for vendors to improve order conversion rate and profit margins.
- Developed and delivered multi-mode communications that tackle unique needs of different audiences.
- Deployed secure code by maintaining code quality, reducing waste with an accuracy of at least 95% or above.
- Created dashboards, logging, alerting, and responses to ensure that issues are captured and addressed proactively.

Software Engineer Intern **The Home Depot** May 2019 – Aug 2019

- Planned, Designed, Proposed and Developed a working solution for the problem statement.
- Statistical Analysis on large datasets in Google Big Query which helped in detecting various trends.
- Designed a Bot which is integrated with Slack that exposed various functionalities using slash commands.
- Full Stack web application development using React Redux and Spring Boot.
- Designed, created, and maintained database structures in Big Query and MySQL.

Student Worker **waveXchange** Sep 2018 – April 2019

- Full stack web application development using Angular 6 and Node JS.
- Designed the UI/UX of the web application by understanding software requirements and documenting them.
- Designed, created and maintained database structures using MySQL workbench.
- Infrastructure development on AWS by employing services like EC2, RDS, IAM, S3 and VPC.

IT Intern **ARC International** May 2018 – Aug 2018

- Full Stack web application development using Angular 5 and Symfony Framework (PHP).
- Designed, created and maintained database structures using Microsoft SQL Server Management Studio.
- Created reports for multiple datasets (Cubes in Analysis Services) using Microsoft Power BI tool.
- Automated the process of Freight Uploading using Java improving efficiency from 22% to 99% and saving \$10k yearly.

Systems Engineer **Infosys Limited** Sep 2015 - Jun 2017

- Implemented web applications using Java Enterprise which involved project management and database management.
- Back end development of web applications using J2EE (Hibernate).
- Worked on InfoCubes, Data Store Objects and queries in SAP Business Warehouse systems.
- Modified and tested queries using Business Explorer Query Designer.
- Analyzed queries through generated reports using Business Explorer Analyzer and project documentation.

PROJECTS

Tech Store Project – Angular 5, MongoDB, Node JS, Express JS, Bootstrap

Re-engineered a Tech-Store website by following single page application design and implemented operations for users to purchase products and for admins to maintain inventory. Also, developed features such as cart management system, login/signup, paging, checkout, product filtering.

Google Analytics Customer Revenue Prediction – Scikit learn, Matplotlib, Machine Learning Models

Pre-processed and normalized data which was used in evaluating models like Neural-Net, Ada-boost, Support Vector Machine using non-linear kernel, Random forest using sklearn. Summarized features in data set and displayed using pie charts and bar graphs by adopting matplotlib. Root mean square error was 0.001 which was in top 500 with an accuracy of 96%.

Library Management System – JAVA, Hibernate, MySQL, JSF, jQuery, JavaScript

Created database structures using MySQL to store library records and developed application to interact with the database. Implemented features to search catalog, check availability, loan books and track overdue fines.

Poker Hand Prediction – Spark streaming, Scikit learn

Pre-processed, normalized and streamed data to train Ensemble models like Random Forest and Gradient Boosting which predicted which poker hand combination would result in a winner and obtained an accuracy of 76%.