Smirthi Meenakshisundaram

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EDUCATION

University of North Carolina at Charlotte, NC   **Aug 2019 - May 2021**
Master of Science in Computer Science(GPA: 3.8/4.0)
St Joseph's College of Engineering, India   **Aug 2015- May 2019**
B.E. Electronics and Communication Engineering

TECHNICAL SKILLS

Certification: AWS Certified Developer Associate
Programming Languages: C, C++, CAPL, Java 8 , Python, HTML,SQL, MongoDB
Big Data & Analytics: AWS, Tableau
Tools & Technologies: Canalyzer, CanApe, Control Desk (dspace), Motion Desk, Model Desk, Node JS, Visual Studio, Atom, My SQL Workbench, Jupyter Notebook, Eclipse
Operating Systems: Windows, Linux, Unix
Course Work: Data Structure and Algorithms, Cloud computing in data analysis, Database systems, Software Systems Design & Implementation, Intelligent systems, Network based app development, Visual Analytics, Parallel Computing, Survey of Programming Languages, Knowledge Discovery & Databases

WORK EXPERIENCE

Tata Consultancy Services, USA   **June 2021- Present**
Software Engineering (Doing HIL Testing), Michigan
- I work for the client (R.H. Sheppard , Bendix C.V.S Company)
- Performed System-level and Vehicle maturity tests on Dspace HIL
- Developed CAPL Scripts for testing different torque profiles, counter, checksum tests.
- Developed MATLAB scripts for DID's conversion and to update PAR files.
- Developed Python scripts for test case automation using control Desk – configure event interface , which reduces the time taken for testing and gives accurate results.
- Developed Python scripts for overnight tests like Ignition stress test, Voltage cranking.

University of North Carolina at Charlotte, Charlotte, USA   **Jan 2021- May 2021**
Graduate Teaching Assistant
- Collaborated with the instructor and 2 other TAs to lead recitations, grade coursework, and answer 60+ students' questions.
- Solved all quizzes and assignments to prepare an answer key for evaluation, graded students work.

ACADEMIC PROJECTS

Film Fare Awards Listing Application
Used HTML and CSS for creating front end.
Got familiarized with the non-relational Database mongo DB to store and retrieve data
Wrote JavaScript code to create the Application in Atom.

Game Search Engine
Used MySQL to store and retrieve data
Wrote SQL queries, triggers, joints and Stored Procedures, got familiarized with python flask.

Retail Banking Management System
An internal Banking Application made using Java, Servlet , JDBC, Oracle My Sql
Did the frontend using JSP pages, connected them to to servlet services and the DAO Layer Learnt to connect to backend using JDBC

Kickstarter Data Analysis & Visualization using R
Used Machine Learning models to predict the probability of successful projects
Visualized with libraries like ggplot2 in R

Analysis of Udemy courses
Took a dataset with the details of udemy courses from various fields from kaggle created various tasks to get intuitive finding
Visualized the data in tableau and get insights from the data

Food Ordering Application
Food ordering Application created using Angular framework
Used services to write the logics to retrieve data
Stored the required data for the Application in JSON file, and created API links for them to watch the data and access them as well