

SMIRTHI MEENAKSHISUNDARAM

EMAIL: smeenak1@uncc.edu WEBSITE: <https://smirthi-meenakshisundaram.github.io/portfolio/>

PHONE: 980-734-6057

LINKEDIN: [smirthi-meenakshisundaram-25a645167/](#) GITHUB: [smirthi-meenakshisundaram](#)

SUMMARY

I am a Master's student in UNC-Charlotte from the computer Science Department with dual concentration in Data Science and Software . I am an AWS certified Developer Associate. Looking for Entry Level Software Developer role. Available to work from 23rd May 2021

EDUCATION

University of North Carolina at Charlotte

MS Computer Science 2021
GPA 3.8/4

Aug. 2019 - May 2021

St Joseph's College of Engineering

BE Electronics and Communication 2019

Aug. 2015 - Apr. 2019

EMPLOYMENT

University of North Carolina at Charlotte, Graduate Teaching Assistant

Jan. 2021 - May 2021

Started as a Teaching Assistant for the class of Algorithm and Data Structure under Dr. Qiong Cheng where the competent performance extended my responsibilities to Teaching Assistance for another class, Parallel and Distributed Computing.

- Solved all the quizzes and assignments to prepare an answer key for evaluation
- Graded student work including assignments, homework, project reports and project presentations.

Cuion Technologies Private Limited, Software Engineer, Bengaluru, India

Apr. 2018 - Aug. 2019

Assisting in maintaining and updating existing applications and modules Used Restful web services for consuming and producing web services Used spring framework for dependency injection and used to implement inversion of control (IOC) and aspect-oriented programming (AOP) Wrote unit test cases using JUNIT

Used tomcat server to deploy and test application in local environment Worked on Maven during build process also modified pom.xml to use latest libraries and specifications

Used DOM and SAX parser to parse raw XML documents

Designed E-R model for application and Converted E-R model into relational schema

Created SQL script to create tables, implement business rules, and populate tables

Worked in agile development following scrum process, sprint and daily stand up meetings

SKILLS

LANGUAGES: C, C++, Java 8, JavaScript, Python, R, HTML5

DATABASE: SQL, NoSQL, MongoDB, Redis

FRAMEWORKS AND SOFTWARES: AWS, .Net, Flask, REACT, Spring, HTML, CSS, CDI, Hadoop

TOOLS AND SOFTWARE'S:

Tableau, PowerBI, Hive, Docker, NodeJS, APEX, Visual Studio, Atom, MySQL Workbench, MATLAB, R studio, Jupyter Notebook

OPERATING SYSTEMS: Windows Server, Windows, Linux

WEB SERVICES: REST API, SOAP, Microservices

PROJECTS

1. Film Fare Awards Listing Application

Used HTML and CSS for creating front end.

Familiarize with the non-relational Database mongo DB to store and retrieve data

Writing JavaScript code to create the Application in Atom.

2. Game Search Engine

Used MySQL to store and retrieve data

Wrote SQL queries, triggers, joints and Stored Procedures

The project familiarized me with python Flask

3. Threads and Effects on Computation Speed

Parallelized serial code with MPI, OpenMP, Cuda and posix Threads

Analyzed how usage of threads can give accurate and faster results

4. Kickstarter Data Analysis & Visualization using R

Used Machine Learning models to predict the probability of successful projects

Visualized with libraries like ggplot2 in R

5. Analysis of Udemmy courses

Took a dataset with the details of udemmy courses from various fields from kaggle created various tasks to get intuitive finding

Visualized the data in tableau and get insights from the data

Accomplishment & Certification

AWS Certified Developer Associate (validity Jan 2021 to Jan 2024)

Got 2nd prize in the interdepartment Technical Quiz competition.

Got 2nd prize in the hackathon (coding Challenge: Algorithms and Approaches)

Course Work

Algorithms and Data structures

Cloud Computing

Parallel Computing

Visual Analytics

Knowledge Discovery DB

Intelligent Systems

Database systems

Software System Design

Network Based Application Development

Survey of Programming Language