

Retty George

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EDUCATION

The University of Texas at Arlington, TX

Jan 2022 -May 2023

Master of Science in Computer Science

Coursework: Data Mining, Design and Analysis of Algorithm, Data Analysis and Modelling Techniques

Cochin University of Science and Technology, Kochi, Kerala, India

Aug 2014- May 2018

Bachelor of Technology in Computer Science

GPA:3.7/4

TECHNICAL SKILLS

Programming Languages: Python, Java, Scala

Big Data Technologies: Hadoop, Hive, Spark, Apache Oozie, Apache Kafka, Cassandra

Databases: MySQL, SQLite

Web Data Technologies: HTML5, CSS, JavaScript, React, Angular

PROFESSIONAL EXPERIENCE

Data Engineer – Tata Consultancy Services – Bangalore, India

Jan 2019 - Dec 2021

- Implementation of data pipelines and feature extraction using Spark ETL framework
- Perform Unit testing on data pipelines
- Oversee projects through SIT, deployment and post-production support
- Remediation of legacy jobs to align with the new architectural pattern
- Ad-hoc data analysis to understand the root cause of production incidents

Web Developer – Sayone Technologies – Kochi, India

August 2018 – Dec 2018

- Develops software solutions by studying information needs; conferring with users; studying systems flow, data usage and work processes.
- Analysis and design of databases and user interfaces.
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development and proposed solutions
- Engineering web development, all layers, from the database to services to user interfaces.

PROJECTS

Pro Gesture Translator

- The main objective of this project was to create a bridge between deaf and normal people in the world
- American Sign Language (ASL) is the gesture language used and converted to text and speech

KTU (Kerala Technological University) Result Analyzer and prediction system

- The purpose of the project is to analyze a student's performance and predict their result, thereby understanding their shortcomings and estimating the efforts they will need to make over the next few years in order to achieve a specific percentage or GPA

- ALT-i: Indoor positioning system

Developed a method to locate UWB tags using a set of anchors. Implement TDMA for improving system efficiency. Plotted the real time UWB tag location. Encrypted the UWB messages exchanged between anchors and tags.

- Third eye: Smart Rod

Developed efficient architecture for controlling micro-controller-based slots over Wi-Fi. Developed RS485 drivers. Created custom patches for kernel, u-boot and bootstrap using Yocto and bitBake for SAMA5 processor.

- Online Health Care Management System

Developed website using React JS, HTML and CSS to book doctor appointments online, track the availability of doctors and beds in hospitals
Patients and doctors can keep track of the medical history and can be shared with other people registered on the system.

AWARDS AND ACHIEVEMENTS

Awarded Special Initiative award for my performance and dedication at TCS

Co-Founder of Ideator Coding Club at CUSAT and organized different hackathons and coding competitions within the college and also coordinated various programming workshops. Also, conducted weekly meetings and seminars on various topics and technologies in computer science and also arranged tech talks by various tech experts within the state

Worked as Coordinator of Corporate Social Responsibility (CSR) at TCS and Organized different events, cultural fests and awareness programs with in TCS. Also, Conducted spoken English classes for orphans and security staff in the state