

Kalluru Rithin Paul Reddy

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EDUCATION

University of Missouri – Kansas City, Kansas City, MO, United States

Masters in Computer Science – 2021-2022

Course work: Specialized in Software Engineering

Amrita University, Coimbatore, India

Bachelor's of Technology in Computer Science & Engineering.

Coursework: Big Data Analytics, Data Structures, Database Management Systems, Networks, Design & Analysis of Algorithms, Operating Systems, Object Oriented Programming.

SKILLS

Languages/Technologies: Java, Python

Platforms and Tools: Windows, Unix/Linux

Web Technologies : HTML5, Bootstrap, Semantic UI, CSS3, Javascript, JSON, XML, Node JS.

Frameworks : Django, Flask, Angular, Django REST Framework (DRF)

Databases : MySQL, PostgreSQL

Tools : Microsoft Visual Studio, Git, Trello

EXPERIENCE

Tata Consultancy Services – Systems Engineer *June 2018 - Present*

- Developed the workforce management application based on my web development experience using Django (Python Web Framework)
- Developed the REST APIs for the above application and responsible for making it viable for Mobile platform using Django Rest Framework (DRF).
- Responsible in designing the schema of the database of the application considering every requirement of Client.
- Documented and tested the application and produced the report for experienced team members for production support.
- Assisted web development team on developing digital signage for retail industry using Semantic UI.

PUBLICATIONS

Evaluation of Water Body Extraction from Satellite Images Using Open-Source

Tools. Feb - 2019

- evaluates water body extraction from satellite images of Chennai city using machine learning methods
- compares the classification results of different machine learning algorithms such as J48 decision tree, naive Bayes, multilayer perceptron, k-nearest neighbor, iso-cluster and random forest.
- Published in International Journal, Springer, based in Singapore and Germany.
https://doi.org/10.1007/978-981-13-6095-4_10

PROJECTS

- **Water body shrinkage evaluation** (ArcGIS, MATLAB, WEKA)
Estimated the amount of shrinkage that occurred in lake Puzhal located in Chennai over a span of few years.
Classification of the satellite images done using ArcGIS
Feature set from the satellite images and accuracy assessment using R
- **Hotel management system** (PHP, MySQL, HTML)
Built a complete end to end solution with functionalities of lodging, check out and billing for availed services.
Used Apache as web server for the application
- **Portal for weather information** (HTML, Node.js)
Created a web page using HTML and through search bar user can type the place name and gets to know the weather with the help of backend node js integrated with a weather api.

EXTRA-CURRICULAR AND POSITION OF RESPONSIBILITY

- Member of Computer Science department soccer team and College team as well between 2016-2018
- Core Committee member of ANOKHA - 2K17 & 2K18 (Annual tech fest in University)
- Worked as Co Head and Head of Fun & Entertainment department of University's National Level fest 'ANOKHA' in 2017 and 2018.
- Ardent participant of University's Cultural fest 'GOKULASHTAMI' in 2016 & 2017.