

# Utkal Sirikonda

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## Education

- 2015 - 2019 **Bachelor of Technology**, Indian Institute of Information Technology, Sri City.  
Secured 8.24/10.0 CGPA in Computer Science and Engineering
- 2013 - 2015 **XII Standard**, SKVS Junior Kalasala, Poranki.  
Secured 964/1000 marks in BIEAP with Mathematics, Physics and Chemistry as majors.
- 2013 **X Standard**, Dr. KKR's Gowtham International, Gudavalli.  
Secured 10.0/10.0 CGPA in CBSE.

## Experience

- May - Jul **Summer Intern**, *CommScope Inc.*, Hyderabad.  
2018 Applied market basket analysis on CommScope's global sales data of 2 years.  
Overcame the challenge of rules containing obsolete products being recommended by applying custom strategies.  
The acquired association rules contributed to 7.3% of the total revenue.
- Aug - Dec **Teaching Assistant**, *IIIT*, Sri City.  
2018 Worked as a Teaching Assistant for the courses Applied Software Engineering, Database Management Systems.  
Responsibilities included guiding students in their course projects, setting weekly project goals and assisting professor in evaluations.

## Technical Skills

- Languages C++, Javascript  
Serverside Node.js, Expressjs  
Clientside Reactjs  
Interests Computer Graphics, Web development, Computer Vision

## Projects and Work

- Oct 2020 **Mesh Processing**.  
- Implemented 3D mesh processing algorithms on Javascript.  
- Given a 3D mesh of an object in Half-Edge data structure, implemented Smoothing and Sharpening operations using Laplacian operator.  
[Link to source code](#)

May 2020 **Car Rental Service.**

- A car rental API service developed using Nodejs, MongoDB Atlas (cloud) and Expressjs.
- The application serves customers by showing available cars based on filters and booking based on their availability. Only the administrators have privileges to add/update cars or delete cars from the service.
- Authentication was implemented using JWT.
- The server is deployed on Heroku.

[Link to application](#)

[Link to source code](#)

Sept - Dec **Academic Suite.**

- 2018
- A client-server application built using Nodejs, MongoDB and Expressjs.
  - The project aims to reduce redundant use of global internet by curbing the case of downloading same files repeatedly by students.
  - The professors can upload resourceful files that are relevant to their courses. Students can download them from the local server.

Oct - Dec **Industry Cooling System Automation .**

- 2018
- An IoT application built with the help of AWS Cloud to monitor the heat around machines in real time and control the temperatures by actuating the cooling system automatically.
  - All the readings are sent to cloud in real time and any actuator can be operated globally with the help of cloud.

[Link to source code](#)

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## Certifications

Coursera [Reactjs](#)

Coursera [Principles of Secure Coding](#)

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## Profiles

GitHub [github.com/Utkal97](https://github.com/Utkal97)

GeeksForGeeks [geeksforgeeks.org/user/utkal97](https://www.geeksforgeeks.org/user/utkal97)

Hackerrank [hackerrank.com/utkal97](https://www.hackerrank.com/utkal97)

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## Positions of Responsibility

2018 - 2019 Class Representative in Academic Council for 2019 batch at IIIT Sri City.

Mar 2019 Organizer for DOTA competition for Abhisarga 2k19.

2018 Teaching Assistant for Applied Software Engineering course.