

Deepthi M Nair

deepthimohannair@gmail.com

9003104915

Career Objective:

As a fresher, I want to put to use my creative skills, technologies that I am familiar with, innovative thoughts that will benefit the Organization in the long run and also help me in building my professional career.

Educational Qualification

Course	University	College	Year of passing	Percentage
BE in Computer Science	Anna University	Nehru Institute of Engineering and Technology	2019	73.4%
Higher Secondary	State Board	Presentation Higher Secondary School	2015	81%
High School	State Board	Providence Girls Higher Secondary School	2013	80%

Internship

Organization: “Aerovantage”

Duration: 20-05-2018 to 30-06-2018

Based on: “LIDAR DATA PROCESSING”

- Lidar readings are packed to standard packet format.
- Using UDP packet, sending data to client system.
- The data packets send are unpacked and the data is read.
- Generates point cloud data from the given information and stores as pcd file.
- Rendering of point cloud data is performed.

Major Project

Title: “REAL TIME POINT CLOUD DATA PROCESSING AND DIMENSION DISCERNMENT USING CLOUD STORAGE”.

Project Description:

The project aims at the processing and dimension discernment of the point cloud data. For automobiles it is essential to perform the obstacle identification such that the sudden actions can be carried out. We are using the point cloud data that are obtained from the 3D scanners as the input and processing it for further decision makings on the real world situations like obstacle identification and object motion through a live streaming environment.

Role:

- XYZ co-ordinate generation has performed to get the details of each point that is, the distance from the device to the particular point and the two angles in which the device is placed to obtain that particular point.
- The generated XYZ co-ordinates are written into the file format .pcd.
- 3D real time rendering is done by using the VTK visualizer in order to get an exact clear view of the terrain.
- By using the DBSCAN clustering algorithm the noise elimination and dimension discernment is performed.
- Tf-mini (LiDAR Module – Sensing device) is used as the 3D scanner to obtain the point cloud data.

Technical Skills

- i) ***Programming Language*** : C,C++, Python
- ii) ***Database*** : SQL
- iii) ***Platforms*** : Windows,Unix,Linux

Personal Details

- Father's name : Mohan G Nair
- Address : PULARI (H),
Ambattadath Parambu
P.O Pokkunnu
Calicut-673013
Kerala
- Date of birth : 02/10/1997

Declaration

I hereby declare that all the above details provided is true to my knowledge.

Place:

Date:

Signature