

# Venkata Karthik Reddy Medagam

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## EDUCATION

### Vasireddy Venkatadri Institute of Technology

Bachelor of Technology in Information Technology, Secured an aggregate of **8.8 CGPA**

Andhra Pradesh, India

Aug. 2020 – May 2024

**Courses :** Operating Systems, Data Structures, Analysis Of Algorithms, Web Development, Machine Learning, Databases

## Experience

### Data Analytics Virtual Internship | AICTE, EDUSKILLS, supported by AWS Academy

Jan 2023 – Mar 2023

- **AWS Cloud :** Acquired a comprehensive understanding and expertise in numerous AWS services, such as IAM, S3, VPC, RDS, EC2, and several others. I have demonstrated my proficiency in implementing these services in AWS, delivering successful solutions that meet businesses' unique requirements and objectives.
- **AWS Data Analytics :** I gained a comprehensive understanding of the AWS ecosystem, including key services like Amazon S3, AWS Glue, Amazon Redshift, and Amazon QuickSight. I learned how to manage and process large datasets, create ETL processes, set up data warehouses, and develop interactive data visualizations. The hands-on projects reinforced practical application, emphasizing best practices in data security, cost management, and performance optimization.

## PROJECTS

### Farmers Bazaar | Web Application

Mar 2024

- Designed a user-friendly web application using MERN stack for connecting local farmers with customers seeking fresh, high quality produce without any mediators.
- 47% of the population of India depends on agriculture and our platform will be useful for many farmers those who want to sell their goods in their desired prices.

### Sign Language Recognition | Deep Learning

Nov 2023

- Developed Deep Learning models (GRU & LSTM) that interpret and understand sign language gestures and convert them into text.
- Technologies used: **Python** (OpenCV for reading images, Mediapipe for extracting landmarks and (GRU & LSTM) models for classifying signs). - Platform : Jupiter Notebook
- In conclusion GRU Model stands out the best with an accuracy between 96%-99% while LSTM results an accuracy 90%-94%.

### MyPhone | Android Application

Dec 2022

- It is useful in finding missing phones by accessing location and can access contacts, can lock the phone, can ring the phone with the help of sms services with a minimal latency of 1 sec.
- Software used: Android Studio, Java, Xml, Firebase

## TECHNICAL SKILLS AND INTERESTS

- **Web Application Development:** Django (Good), Node.js (Good), React (Decent), HTML (Good), CSS (Good)
- **Databases:** SQL (Decent), PostgreSQL (Decent), MongoDB (Decent), MySQL (Decent)
- **Programming Languages:** Python (Good), Javascript (Decent), Java (Decent), C (Decent)
- **Libraries & Frameworks:** TensorFlow (Decent), OpenCV (Good), HandTrackingModule (Decent)
- **Software Packages:** GitHub, Netlify, Vercel, Render
- **Infrastructure:** Cloud service providers including AWS, Azure, and Google Cloud

## CERTIFICATIONS

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|---|---------------------|
| • Python Certification, Hackerrank                  | Jul 2022 - Present  |
| • AWS Cloud Foundations, AWS Academy                | Apr 2022 - Present  |
| • AWS Data Analytics, AWS Academy                   | Feb 2023 - Present  |
| • Google Associate Cloud Engineer, Google Cloud     | Jan 2023 - Jan 2026 |
| • Azure Fundamentals (AZ900), Microsoft Azure       | Mar 2023 - Present  |
| • Secured 72% in Data Analytics with python, NPTEL. | Apr 2023 - Present  |
| • Completed Data Science with python in coursera.   |                     |
| • Node.js and DBMS certification, Udemy.            |                     |
| • React.js certification, Great Learning.           |                     |

## ACHIEVEMENTS

- Solved overall **150+ problems** on platforms like leetcode, GFG, HackerRank, and Code Tantra.
- Won 2<sup>nd</sup> prize in reverse coding contest held by spardha.
- Participated in Smart India Hackathon 2022

#### **POSITION OF RESPONSIBILITIES AND EXTRACURRICULARS**

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- I was selected as a district level kabaddi player.
- Volunteer, Board for Community Development through Education - BCDE.

#### **LANGUAGES KNOWN**

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- English (professional proficiency)
- Telugu (Native)
- Hindi (Elementary Proficiency)

I hereby declare that all the above information is true as per my knowledge - Venkata Karthik Reddy Medagam.