

KUSUMA AKKALA

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Career Objective:

To be efficient Computer science graduate seeking an entry-level position to leverage academic achievements and internship experiences in IT industry. Excited to contribute team-driven environment, enhance skills, and drive organizational success through dedication, hard work, and a commitment to innovative projects and further develop technical expertise within a collaborative team environment.

Educational Qualifications:

- B.tech (CSE) from St.Ann's college of Engineering and Technology affiliated to JNTUK, Chirala A.P graduated in 2023 with a GPA of 6.2/10.
- Diploma from St.Ann's college of Engineering and Technology affiliated to JNTUK, Chirala A.P graduated in 2020 with a Percentage of 69.51/100.
- S.S.C from Z.P high school Guntur Dist A.P completed in 2017 with a G.P.A of 8.5/10.

Technical skills:

- Proficient in programming languages such as Java, Python, and C++
- Familiarity with Arc GIS, LIDAR.
- Some Basic Knowledge on database management systems.
- Excellent problem-solving skills and ability to troubleshoot technical issues.

Projects:

1. Government fund allocation and tracking system using block chain:

The fund allocation and tracking system is used to track the funds allocated to the state Government as they travel through the government process at every stage. We here make use of Block-chain technology to secure the transactions at each stage while maintaining transparency in every transaction sealing every transaction with proofs as the funds move ahead. This allows maintaining crystal clear record with on-demand right to transactional data on a need to know basis.

The system makes use of encryption to secure transactional data by means of hashes to maintain a block of transactions in a chain manner which is maintained and verified by every node involved to authenticate the transaction & save the data in transparent form.

The system allows for a full proof, secure & authentic fund allocation and fund tracking system to help form an incorruptible government process.

2.Object detection for blind under the domain of AWS:

Object detection for blind of this project is about recognizing of objects by taking snapshot using camera. Our model detects all the objects and gives a voice message so that blind people can know the objects surrounded by him and get alert. In this project, we develop a blind visualization system that helps blind people better explore the surrounding environment. A real time solution is provided in the work. We present a platform that utilizes cameras and generates the list of detected objects in the captured image. By using the algorithm, the solution could perform accurate real time objective detection with good resolution. A prototype for sensory substitution (vision to hearing) is established in the work by means of converting Text-to-Speech using GTTS. Through this project.

Certifications:

- 1.NPTEL online certification course on introduction of Internet of Things.
- 2.Certificate is issued on behalf of publication of our manuscript in the proceedings of ICRTCSE-2023.

Personal details:

Father's name : A Leela madhusudhanrao.
Languages known : Telugu,English and Hindi.
Gender : Female.

Declaration:

I hereby decide that all the information given above is true to the best of my knowledge.

Date:

[Akkala Kusuma]