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## Career Objective

As a motivated recent graduate with a strong foundation in software knowledge, I am excited to kickstart my career. I'm eager to apply my technical skills and sharp problem-solving abilities to develop innovative solutions. With excellent communication skills, I am dedicated to collaborating effectively with teams to deliver impactful products while continually enhancing my proficiency in both coding and interpersonal interactions.

## Educational Qualification

COURSE	INSTITUTE	UNIVERSITY	PERCENTAGE (C.G.P.A)	YEAR
B.TECH (ECE)	K.S.R.M College of Engineering, Kadapa.	JNTU - Ananthapuramu	8.27	2019 - 2023
12 <sup>th</sup>  (Intermediate)	Gowtham Junior College,Badvel,kadapa district.	Andhra Pradesh Board of Intermediate Education.	9.88	2019
(SSC)	Sai Chaitanya high school,Badvel,Kadapa district.	Board of secondary education, AP.	9.3	2017

## Technical skills

**Programming Languages** : Java , SQL.  
**Web Technologies** : HTML & CSS.  
**Operating Systems** : linux & Windows  
**Version Control Tools** : Git  
**Build Tools** : Maven  
**Application Server** : ApacheTomcat  
**Artifactory Repositories** : Nexus  
**Continuous Integration Tools** : Jenkins  
**Configuration Management** : Ansible  
**Scripting Languages** : Shell scripting  
**Containerization tool** : Docker and Kubernetes  
**Cloud Services** : AWS  
**Continuous Code Inspection** : SonarQube

## Projects

### **Project 1: “Continuous Integration and Deployment of Docker Applications to Kubernetes with Jenkins Pipeline”.**

**Description:** This project automates the deployment of Docker applications to a Kubernetes cluster using Jenkins pipeline scripts. It streamlines the build, test, containerization, and orchestration processes, enhancing development efficiency. By integrating source control and container registries, it ensures consistent and reliable deployments. The project also focuses on scalability and rollback strategies for robust application management. Ultimately, it provides a seamless CI/CD solution for containerized applications in Kubernetes.

Furthermore, the project places a strong emphasis on scalability, implementing dynamic scaling strategies based on traffic patterns and robust rollback mechanisms for rapid issue resolution. The integration of monitoring tools ensures that application performance is continuously monitored, while real-time notifications through platforms like Slack keep development and operations teams informed about pipeline status changes and application health.

**Tools :** Jenkins, Docker, Kubernetes, Git, Container Registry.

### **Project 2: “Smart Glasses for Image Text to Multilingual Speech Conversion using Raspberry Pi”.**

**Description:** The project uses a camera-based assistive text reading system to translate printed text, allowing the visually impaired and travellers to read labels, notes and merchandise in their native tongues. The developed smart glasses have optical character recognition (OCR), text-to-speech synthesiser, and a translator with the Raspberry Pi package. Scanned documents or subtitle text placed on photographs can have their text converted into machine encoded text, using this developed system. OCR method is used to read the text in an image, and then the text is translated into the target language, and finally the translated text is played back in audio form. Speakers or headphones can be plugged into the raspberry pi's audio jack to hear the output. The proposed system aims to enhance the independence and accessibility of visually impaired individuals by enabling them to read text from various sources.

## Internship

### **All India Radio**

- Learned about different types of AM and FM, Antenna, Medium wave transmitter, wave propagation transmission lines, and satellite communication practically.
- Played music and served as an air personality.
- Worked with equipment and learned how programs originate from different studios through different equipment in the broadcasting chain how their recordings and editing are done how these programs are received from the satellite and finally sent to the transmitter and broadcast.

## Achievements

- Certified in "Cloud Computing" course from NPTEL.
- Participated in PLC DESIGN conducted by APSDC (offline).
- Secured 1st Rank in IUCEE Conducted by Mindspark for the project based on "Automatic Irrigation and Protection of Plants."
- Received 1st prize on ignite talks and a certificate.
- Certified in "Programming For Everybody" course from Coursera.