

# LOKESH SATYAVADA

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## EDUCATION

### Bachelors of Technology - Electronics Communication Engineering

CVR College of Engineering, India - **7.5/10 CGPA**

Nov 2020 - July 2024

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## PROJECTS

### -The AWS Cloud Resume Challenge | HTML,AWS,Python, Git, Github Actions, IaC.

- The Cloud Resume Challenge by [Forrest Brazel](#) is a challenge involves in building a fully functional website hosted on AWS. | [Github](#) | Project | Blog |
- Using AWS resources such as S3, Lambda, Route53, and DynamoDB, with infrastructure as code (IaC), Javascript and Github actions, we execute devops practices for faster deployment.

### -CloudUploader CLI tool .

- CloudUploader is a command-line interface (CLI) tool designed to simplify uploading files to AWS S3 General purpose buckets. It automates the process of authentication and file transfer to buckets. | [Github](#) | Project | Blog |
- The script will handle AWS account authentication, bucket selection or creation, and then upload the provided files to the chosen bucket.

### -Developed a CI-CD pipeline for containerized applications in AWS using Jenkins, Ansible and Kubernetes

- An automated pipeline for Java-based web applications on AWS. The pipeline leveraged Jenkins for CI and Ansible for scalable CD , ensuring zero downtime during deployments.
- The solution integrated six different technologies, including Jenkins, Ansible, Kubernetes, AWS, Java, and containerization, while requiring minimal computational resources, demonstrating efficient and reliable deployment processes.

### -Implemented a GMA-Convolutional Neural Network (GMAN) for image dehazing.

- Haze images effects real-time image processing through Generic Model Agnostic CNN beyond simply removing haze, we recover the original scene.
  - GMAN architecture was programmed in tensorflow lib and trained on kagglennotebook dehaze-set(2GB-2000+-images),after 8 epochs of training, the loss function drops to a value of 0.054,overcoming various CNN architectures | [Project](#) |
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## CERTIFICATIONS

- AWS CLF-C01 certified-cloud-practitioner.
- E-box Certification on Bash Scripting
- 100 Days of Python boot camp in Udemy {CC}.

## SKILLS

- AWS
  - AZURE
  - GIT
  - PYTHON
  - JAVA
  - JS
  - BASH
  - DOCKER
  - TERRAFORM
  - JENKINS
  - LINUX
  - ANSIBLE
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## ACHIEVEMENTS

- IEEE SHARK TANK 3RD PRIZE-POWER SAVING THROUGH OBJECT DETECTION.
- IETE PROJECT EXPO 1ST PRIZE - GARUDA DRONE
- ORGANIZED AN TECHNICAL EVENT{ARDUINO SNAKE GAME} FOR CIENCIA2022