Name: NITTALA VENKATA PHANI KESAVA (N V PHANI KESAVA)
Profile Summary: "A qualified medical doctor transitioning into cloud computing and full stack development, with hands-on experience across DevOps, containerization, and modern web frameworks."

Qualification- Currently pursuing BCA 2nd year (4th Sem) in

GITAM UNIVERSITY, VISAKHAPATNAM, joined in 2023 Aug

Contact numbers: **7767953546**, 9493634817

Nationality: Indian

DOB:25/10/1995

LINKEDIN: https://www.linkedin.com/in/venkata-phani-kesava-nittala-b324a71a4/

Languages Known: Telugu (Mother Tongue), Hindi [Can speak and write], English [Can speak and write]

BCA: GITAM. Joined in 2023 Aug (in 4th Sem as of Dec 24 2024)
Current CGPA: 9.59 out of 10 (Four semesters)

MBBS=> Pursued in 2013-2021 from AFMC, Pune. Aggregate: 58.5%

Certificates:

1) **Professional Certification in Cloud Computing and DevOps**
   https://github.com/Kesava1995/Certificates/blob/main/CCDO_Course_Certificates.pdf
2) **IBM Full Stack Software Professional Certificate**
   https://github.com/Kesava1995/Certificates/blob/main/IBM-Full-Stack-Software-Developer-Professional-Certificate.pdf
   https://github.com/Kesava1995/Certificates/blob/main/IBM_1_to_15_course_certificates.pdf

PROGRAM: 1) (Oct 4, 2024 – May 31 2025) Professional Certification in Cloud Computing and DevOps by E & ICT Academy, IIT-Kanpur in partnership with SIMPLILEARN
2) (Ongoing) Professional Certificate program by IBM on Full Stack Development using Python via GITAM 2024-25 Open Learning Programme

PROJECTS:

Repository Links:

https://github.com/Kesava1995/Steganography

https://github.com/Kesava1995/Calculator

https://github.com/Kesava1995/TicTacToe

https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/

https://kesava1995.github.io/IBM_Full_Stack_Developer_projects/

Group Personal project:

1) **a)** ***Developed GUI for Image Steganography using Tkinter – Encoding and Decoding. [Partially Guided Interface]***

Developed a Tkinter-based GUI application for Image Steganography enabling message encoding and decoding within images. Implemented partial user guidance, drag-and-drop support, Shortcuts, Menu Bar

https://github.com/Kesava1995/Steganography/tree/main/Images/Image-Steganography

b) Dockerized the GUI app for cross-platform compatibility. Published on Docker Hub.

https://github.com/Kesava1995/DockerIMSteg/tree/master/Images

docker pull phani1123/stegano-gui:latest

2) ***Developed two different GUI variants of Video Steganography***

[Interface adapted from Image Steganography GUI App]

- ***RGB*** ***[Encoding- converts coded RGB image into BGR image and video created by repeating image | Decoding- image extracted, converted to RGB and code extracted]***

  and

- ***BGR*** ***[Encoding- image converted to BGR and then coded and video created by repeating image | Decoding- image extracted from video, and code extracted]***

which can encode a single image into video and also decode the video to get the encoded message.

https://github.com/Kesava1995/Steganography/tree/main/Images/Video-Steganography

https://github.com/Kesava1995/Steganography/blob/main/Images/Video-Steganography/EncodedV.avi

https://github.com/Kesava1995/Steganography/tree/main/Images/Video-Steganography-BGR
https://github.com/Kesava1995/Steganography/blob/main/Images/Video-Steganography-BGR/BGRVideo.avi

Solitary Personal Projects:

3) Developed a Calculator web app for which code was written using JavaScript, HTML, CSS. It can also calculate GCD and LCM of (N numbers and N fractions [Simplifies the input fractions before calculating and output fractions before displaying]). Bootstrap Enabled.
i) Performed Static Website hosting on AWS S3 and Azure Storage Account Container
ii) Also deployed using GitHub https://kesava1995.github.io/Calculator/
iii) Dockerized and Deployed:

- **Containerized the app using a custom Dockerfile with NGINX base image**
- **Deployed using Kubernetes with multi-node setup (master & 2 workers)**
- **Wrote YAML manifests for deployment & services (deployment.yaml, service.yaml)**

4) Developed Tkinter GUI for Tic-Tac-Toe
https://github.com/Kesava1995/TicTacToe/tree/main/Images

5) Rock Paper Scissors – PHP Web App
Built a login-protected Rock Paper Scissors game in PHP with form validation, session-less login, and game logic. Used MAMP for local testing. Demonstrated understanding of POST/GET, hashing, and condition handling in server-side scripting.
https://github.com/Kesava1995/RockPaperScissors/tree/main/ImagesLocal

6) Login-N-Register - A PHP web application with MySQL database integration, providing user registration and login functionality
A group of php pages built using HTML, CSS and PHP.
Landing page=>index.php
Registration page=>register.php
Login page=>login.php
Tested using MAMP
https://github.com/Kesava1995/Login-N-Register/tree/main/Images

7) Sudoku Puzzle Generator – Java Application using swing, awt, event, Random
Has 3 modes using Random: Easy (35-45), Medium (25-30), Hard (20-25). It detects all the three duplicate anomalies [row, column, box]
https://github.com/Kesava1995/Sudoku/tree/main/Images

8) Netbanking Web Application | *PHP, MySQL, HTML/CSS, MAMP*

- **Built a secure netbanking prototype with user login, account balance display, and debit functionality.**
- **Managed user sessions and real-time balance updates with MySQL integration.**

- **Ensured data security through server-side validation and authentication.**

Atomicity ✅ **Yesbegin_transaction (), commit (), rollback ()**
Consistency ✅ **YesBusiness rules enforced via logic & updates**
Isolation ✅ **YesSET TRANSACTION ISOLATION LEVEL SERIALIZABLE**
Durability ✅ **YesInnoDB guarantees commit persistence**
https://github.com/Kesava1995/Net-Banking-Project/tree/main/NetBankingImages

Program 1 projects [GUIDED PROJECTS]:

9) ***CAPSTONE: End-to-end process of deploying a microservices-based application with separate Backend (NodeJS) and Frontend (React) services using AWS CodePipeline and Amazon ECS=> Demonstrate the automation of CI/CD workflows, efficient containerization of both backend and frontend applications, and the deployment of these services on a scalable ECS cluster to ensure high availability, seamless updates, and a reliable architecture utilizing serverless containers with AWS Fargate***
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/Capstone-Projects

10) Configured a WordPress instance using AWS CloudFormation and monitored the instance
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/AWS/Project%201/Screenshots

11) Created data in a Kinesis stream that could be copied to the DynamoDB database
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/AWS/Project%202/Screenshots

12) Jenkins Backup and Restore on AWS S3
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/VC%20CICD%20with%20Jenkins/Images

13) To create an automation script to deploy an application using Ansible
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/Configuration%20Management%20with%20Ansible%20and%20Terraform/Images

14) To deploy a multi-tier Application using docker compose [had separate IPs for Front-end, API and DB(Back-end)]

https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/Containerization%20with%20Docker/Images

15) Deploy the Application Using the Kubernetes Dashboard
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/Kubernetes/Images

16) Implemented a CI/CD pipeline using AWS services for automating the deployment of a Spring Boot application on Amazon ECS with Docker, integrating CodePipeline, CodeBuild and ECR for seamless updates
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects /tree /main/DevOps%20with%20AWS/Images

17) ***Create high available architecture by distributing incoming traffic among healthy service instances in cloud services or virtual machines in a load-balanced set with the help of Azure command-line interface***
https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree / main/Azure-AZ%3A1.04/Images

Program 2 projects [GUIDED PROJECTS]:

18) *CAPSTONE:* Developed a full-stack web application that allows users to browse car dealerships, view details, and post reviews. Authenticated users can submit feedback, which is analyzed for sentiment using a machine learning API. The project integrates a React frontend, Django backend, PostgreSQL database, and external REST APIs.
https://github.com/Kesava1995/Full_Stack_Capstone_ss

19) Single page website: Portfolio [HTML, CSS, JavaScript]
https://kesava1995.github.io/IBM_Full_Stack_Developer_projects/singlepagewebsite/

20) GitHub Projects: Simple Interest Calculator (shell program)
https://github.com/Kesava1995/github-final-project
https://github.com/Kesava1995/jbbmo-Introduction-to-Git-and-GitHub

21) Front End React App Project: E-plant Shopping [Also deployed using GitHub:
https://kesava1995.github.io/e-plantShopping/ ***:Landing page shows differently for laptop***

screen (horizontal stacking), mobile portrait (vertical stacking) and mobile landscape (horizontal stacking). Has add to cart and shows bill. No Check Out processing]

22) Back End App using Node.js and Express: Developed a server-side application that stores, retrieves and manages book ratings and reviews [tested using postman (https://www.postman.com/)]
https://github.com/Kesava1995/expressBookReviews/tree/main/Screenshots

23) Emotion Detector Web App using python, flask: Deduces the emotion in a given input(sentence)
https://github.com/Kesava1995/final_project_Emotion_detector/tree/main/Images

24) Django App- Add a New Course Assessment Feature to an Online Course App. Use Django full-stack skills to design and develop the necessary models, templates, and views. Finally, run and thoroughly test your online course application to ensure its functionality.
https://github.com/Kesava1995/tfjzl-final-cloud-app-with-database/tree/main/Images

25) Built and deployed a scalable GuestBook web app using Docker and Kubernetes on IBM Skills Lab, implemented HPA-based autoscaling, rolling updates, and rollback strategies using YAML-based configuration and CI/CD workflows.
https://github.com/Kesava1995/GuestBookProject/tree/master/Images

26) Built and deployed a product price comparison app using Python microservices (Flask) and IBM Cloud Code Engine. Developed REST APIs for product and dealer pricing, containerized services with Docker, and implemented a dynamic frontend that integrated live backend responses using fetch API.
https://github.com/Kesava1995/Microservices_Project/tree/master/ss

MBA Preparation: From 2021-2023

12^{th} => Completed in 2013. Percentage: 90%, Syllabus: CBSE, School: Triplaar School of Learning, Guntur

10^{th} => Completed in 2011, Percentage: 88%, Syllabus: AP State, School: Sri Chaitanya Techno School

Hobbies: Story writing. Written and posted short stories on Facebook Page (https://www.facebook.com/RRRAMSSS/), which currently has 800+ Likes

Father Name: N V S R J Sastry

Mother Name: (late) N Padmaja

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