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: 9.57 out of 10 (Three 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_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) i) Developed GUI for Image Steganography using Tkinter – Encoding and Decoding.
https://github.com/Kesava1995/Steganography/tree/main/Images/Image-Steganography

ii) Developed two different GUI variants of Video Steganography
- **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

Solitary Personal Project:
2) Performed Static Website hosting on AWS S3 and Azure Storage Account Container with a Calculator for which code developed 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. Hosted as an Azure web app. Also deployed using GitHub https://kesava1995.github.io/Calculator/

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

4) 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

5) Login-N-Register - A PHP web application with MySQL database integration, providing user registration and login functionality [Part of "Building Web Applications in PHP" Course End Project {PARTIALLY GUIDED}]
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

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

7) 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.
https://github.com/Kesava1995/Net-Banking-Project/tree/main/NetBankingImages

Program 1 projects [GUIDED PROJECTS]:
8) 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

9) 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

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

11) 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

12) 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

13) Deploy the Application Using the Kubernetes Dashboard

https://github.com/Kesava1995/Cloud-Computing-and-DevOps-Projects/tree/main/Kubernetes/Images

14) *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

15) *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

16) *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

Program 2 projects [GUIDED PROJECTS]:

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

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

19) *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]*

20) *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

21) *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

MBA Preparation: From 2021-2023

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

10th => 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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