

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

GITHUB: <https://github.com/Kesava1995>

LINKEDIN: <https://www.linkedin.com/in/venkataphanikesavanittala/>

Codechef: <https://www.codechef.com/users/phanikesava>

Leetcode: <https://leetcode.com/u/VnUVZeHLjn/>

Hackerrank: <https://www.hackerrank.com/profile/nvpkesava>

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



BCA: GITAM. Joined in 2023 Aug (in 5th Sem as of Jul 2025)

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

PROGRAMS: 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 phani1123/calc-app:latest**
- **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%20CI/CD%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

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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