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://verify.eicta.digitalcredentials.in/87230045-8590-47c5-8b67-c7f7e1aabad5?utm_source
   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

Achievements:

1. TCS iON National Qualifier Test (NQT) 2025
    - Cognitive Skills: 1566 / 1800 (87%)
      - Numerical Abilities: 473.24 / 600
      - Verbal Abilities: 533.94 / 600
      - Reasoning Abilities: 558.90 / 600
    - Advanced Quantitative & Reasoning: 350.48 / 600 (58.41%)
    - Programming – Python Hands-on Assessment: 544.60 / 600 (90.77%)

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%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

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

Current Address- 205/A, Sector 2, Ukkunagaram, Visakhapatnam,

Andhra Pradesh, India -530032