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."

Mobile number: **7767953546**

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]

Qualifications:
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%

Internships:

- **AI/ML [Remote] at Internpe (Ongoing from 08 Sept 2025)**

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%)

   Scorecards @ https://github.com/Kesava1995/Resume

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:
Project Links [Images, Live and Repo Links]:
https://kesava1995.github.io/Personal_Projects/

https://kesava1995.github.io/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

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

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.

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

iii) Dockerized and Deployed:

- **Containerized the app using a custom Dockerfile with NGINX base image**
  docker pull 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

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.

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

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]

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

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***

10) Configured a WordPress instance using AWS CloudFormation and monitored the instance

11) Created data in a Kinesis stream that could be copied to the DynamoDB database

12) Jenkins Backup and Restore on AWS S3

13) To create an automation script to deploy an application using Ansible

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

15) Deploy the Application Using the Kubernetes Dashboard

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

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***

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.

19) Single page website: Portfolio [HTML, CSS, JavaScript]

20) GitHub Projects: Simple Interest Calculator (shell program)

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/)]

23) Emotion Detector Web App using python, flask: Deduces the emotion in a given input(sentence)

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.

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.

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.

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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