Contact Info:

- NITTALA VENKATA PHANI KESAVA

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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."

Technical Skills

- **Languages:** Python, Java, PHP, JavaScript, SQL

- **Cloud/DevOps:** AWS (ECS, S3, CodePipeline), Docker, Kubernetes

- **Frameworks/Tools:** React, Node.js, Django, Flask, Tkinter, NGINX

- **Databases:** MySQL, PostgreSQL

Education & Certifications

- **BCA** (Ongoing) - GITAM | CGPA: 9.59

- **MBBS** - AFMC, Pune [2013-2021]

- **Professional Certification in Cloud Computing and DevOps** - E & ICT Academy, IIT-Kanpur (Certificate)

- **IBM Full Stack Software Professional Certificate** - IBM (Certificate)

Internship

- **AI/ML Intern (Remote)** - Internpe (Sept 2025 - Present)

PROJECTS:

- **Online Portfolios [Output Images, Live and Repo Links and Description]:**
  https://kesava1995.github.io/Personal_Projects/
  https://kesava1995.github.io/Cloud-Computing-and-DevOps-Projects/
  https://kesava1995.github.io/IBM_Full_Stack_Developer_projects/

Calculator Web App | JavaScript, Docker, Kubernetes, AWS
- Developed a dynamic calculator web app using JavaScript, HTML, and CSS, featuring a Bootstrap-enabled responsive interface.
- Engineered advanced logic to calculate the GCD and LCM for multiple numbers and fractions, including simplification of fractional I/O.
- Containerized the application using Docker with a NGINX base image for portability and published it to Docker Hub.
- Orchestrated deployment to a multi-node Kubernetes cluster using YAML manifests and hosted the static site on AWS S3 and Azure Storage.

Netbanking Web Application | PHP, MySQL
- Built a secure, prototype netbanking portal using PHP and MySQL to manage user authentication, session handling, and core banking features.
- Implemented essential functionalities, including secure user login, real-time account balance display, and funds debiting.

- Ensured data integrity and reliability by applying ACID principles (Atomicity, Consistency, Isolation, Durability) to database transactions.

Image & Video Steganography GUI (Group Project) | Python, Tkinter, Docker
- Co-developed a Python desktop application using Tkinter to encode and decode secret messages within images and videos.
- Engineered a user-friendly GUI with features like drag-and-drop, menu bars, and keyboard shortcuts.
- Implemented distinct encoding/decoding logic for video steganography, handling both RGB and BGR color-space conversions.
- Dockerized the final Tkinter application to ensure cross-platform compatibility and published the image to Docker Hub.

Sudoku Puzzle Generator | Java, Swing
- Developed a Java Swing application to generate and validate 9x9 Sudoku puzzles.
- Implemented a puzzle generator with three distinct, randomized difficulty modes: Easy (35-45 clues), Medium (25-30 clues), and Hard (20-25 clues).
- Integrated real-time validation logic to detect and flag all three duplicate anomalies (row, column, and 3x3 box).

Achievements

- **TCS iON National Qualifier Test (NQT) 2025:** Advanced Quantitative & Reasoning (58.41%), Cognitive Skills (87%) and Python Programming (90.77%)

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