

# TK Vamshi Krishna

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## PROFILE SUMMARY

- Innovative Computer Science graduate and tech enthusiast with expertise in Java, C++, R, MySQL, HTML, CSS, and JavaScript. Skilled in developing scalable applications, writing efficient code, and collaborating in team environments. Passionate about tackling challenges through optimized solutions. Solved 200+ problems on LeetCode, CodeChef, and GeeksforGeeks, along with 100+ Online Assessment (OA) questions.

## EDUCATION

- **Vellore Institute of Technology** CGPA: 8.42  
M.Tech Integrated CSE(Core);Andhra Pradesh 2021 - 2026
- **Narayana Pu College** Percentage: 76%  
PCMC, Bengaluru,Karnataka 2019 - 2021
- **Narayana High School** CGPA:8.7  
SSLC, Hyderabad,Telangana 2019

## SKILLS SUMMARY

- **Languages:** JAVA, C++, PHP, HTML/CSS, Javascript, ReactJS
- **Database:** MYSQL, Firebase, MongoDB, Redis
- **Platforms:** VScode, Tomcat, Maven, Star UML, AWS, Cloudfare, GitHub
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking

## EXPERIENCE

- **ItJobXS** Remote  
Web Developer July 2024 - Sep 2024
  - **Responsive Web Page Design:** Collaborated with 4 members to develop a responsive ItJobXS page on AWS, improving engagement by 30% for 10,000 users.
  - **User Verification and Authentication:** Implemented verification, reducing fake accounts by 85%, processing 5,000+ verifications daily on AWS with improved security measures.
  - **Recaptcha Integration:** Integrated Google Recaptcha v3, reducing bot traffic by 70%, handling 15,000+ authentication requests daily via AWS Lambda.
  - **Tech Stack:** HTML, CSS, JavaScript, Bootstrap, PHP, AWS EC2, and RDS for scalable development and deployment.

## PROJECTS

- **Car Rental System (ReactJS, Vite, HTML, CSS) :** Feb 2025 - Present
  - Designed and built a visually appealing UI, improving user engagement by 30% based on initial feedback.
  - Engineered a search bar for quick and efficient vehicle searches, enhancing user convenience and response time.
  - Incorporated state management using React Hooks and Context API for efficient data handling and improved scalability.
  - Enhanced application performance by introducing lazy loading, reducing initial load time by 1.5 seconds and refining API calls to cut data fetch time by 35%.
- **HomYZ - Real Estate (ReactJS, Vite, HTML, CSS, API):** Nov 2024 - Dec 2024
  - Built a Single Page Application (SPA) for real estate, enhancing user experience with a dynamic and interactive UI.
  - Designed an intuitive property listing system, allowing users to browse and filter 50+ properties efficiently.
  - Applied responsive design and structured state management with Redux, reducing page load times by 50% and ensuring seamless navigation across devices.
  - Refined API calls and front-end rendering, leading to a 25% improvement in website performance.
- **eHealthDesk System (HTML, CSS, JavaScript, Bootstrap, PHP, MySQL):** Jul 2024 - Sep 2024
  - Created eHealthDesk, a healthcare management platform that streamlined appointment scheduling, medical record management, and consultation services, reducing time and workload by 40%.
  - Enhanced user experience with an intuitive UI, resulting in a 30% increase in patient engagement and a 25% reduction in appointment scheduling errors through the use of regular expressions for input validation.
  - Strengthened security in eHealthcare by implementing encryption protocols, secure authentication systems, and stringent data privacy policies to safeguard sensitive patient information and ensure secure transactions.

## CERTIFICATIONS

- **JAVA Programming (My Great Learning)** August 2024
- **Fundamentals of Deep Learning (NVIDIA)** March-2024
- **Soft Skills and Overview of Artificial Intelligence (TCS)** December 2023