TK Vamshi Krishna

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portfolio-vamshi-krishna.vercel.app — Porfolio
Tirumalagiri Kailash Vamshi Krishna — LinkedIn
Vamshi Krishna — Codolio

EDUCATION

Vellore Inistitute of Technology   Amaravati,Andhra Pradesh
M.Tech Integrated CSE(Core); CGPA: 8.34 CGPA   *2021 - 2026*

Narayan Pu College   Bengaluru,Karnataka
PCMC;Percentage:76%   *2019 - 2021*

Narayan High School   Hyderabad,Telangana
PCMC;CGPA:8.7 CGPA   *2019*

SKILLS SUMMARY

- **Languages**:   JAVA,C++, PHP, HTML,CSS,Python
- **Frameworks**:   Pandas, Numpy,TensorFlow, Keras, Django, Flask, NodeJS
- **Database**:   MYSQL,Firebase,SQLite,MONGODB
- **Platforms**:   Linux, Web, Arduino, AWS,Cloudfare, Prestashop
- **Soft Skills**:   Leadership, Event Management, Writing, Public Speaking, Time Management

PROJECTS

- **Chatify(Flutter,Dart,Firebase)-Developing**:
  - Developed cross-platform chat app using Flutter enabling seamless functionality across Android, iOS, web, and Windows.
  - Integrated Firebase for real-time messaging, secure authentication, and cloud storage, ensuring seamless functionality across multiple platforms and devices.
  - Optimized for responsive UI/UX providing a consistent and fluid experience on mobile, web, and desktop.
  - Implemented device portability ensuring the app operates flawlessly on Android, iOS, Windows, and web browsers.
  - Leveraged Dart for efficient performance to enable smooth interactions across all platforms simultaneously.

- **Atypical Teratoid Rhabdoid Tumor Detection With Advanced CNN, VGG-19 (Django,Flask,Keras,TensorFlow,Python)**:
  - Developed a deep learning method for brain tumour detection using Python and VGG19 and CNN, which produced a 96% accuracy rate for early childhood tumour detection.
  - Utilized frameworks like OpenCV,Pillow and NumPy for advanced image preprocessing in ATRT detection.
  - Used TensorFlow and Keras for effective model training, leveraging deep learning to enhance ATRT detection accuracy.
  - Trained model using 1,500 tumor and 1,500 non-tumor images, achieving high accuracy in detection.
  - Develop web applications with Django, utilizing backend integration and dynamic UI templating for efficient solutions.

- **Vit-Ap Web Development(HTML,CSS,JS,PHP,MySql)**:
  - Developed dynamic website using HTML, CSS, JavaScript, PHP, and MySQL to enhance user interaction and experience.
  - Designed responsive layouts with HTML/CSS ensuring seamless display across various devices and screen sizes.
  - Integrated JavaScript for interactive features improving website functionality and user engagement.
  - Implemented backend with PHP/MySQL for dynamic content management, user authentication, and database handling.
  - Optimized website performance by streamlining code and database queries for faster load times and scalability.

PUBLICATIONS

- **CyberSecurity in Healthcare: IOT Security for Medical Devices — IIT MANDI 15th IEEE(ICCCNT)**:
  - Presented at the 15th International IEEE ICCCNT on advanced topics in computing, communication, and networking technologies.
  - Developed machine learning models like Logistic Regression, Decision Tree to achieve 85% accuracy in IoT healthcare security.
  - Trained and tested models to effectively detect and mitigate security threats in healthcare IoT devices.

ACHIEVEMENTS

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