TK Vamshi Krishna

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EDUCATION

Vellore Inistitute of Technology

M. Tech Integrated CSE(Core); CGPA: 8.37 CGPA

Narayana Pu College

PCMC;Percentage:76%

Narayana High School

PCMC;CGPA:8.7 CGPA

Amaravati, Andhra Pradesh

2021 - 2026

Bengaluru, Karnataka

2019 - 2021

Hyderabad, Telangana

2019

SKILLS SUMMARY

JAVA,C++, PHP, HTML, CSS, Python, Dart, Flutter • Languages: • 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

EXPERIENCE

ItJobXS Remote

Web Developer

July 2024 - sep 2024 • Responsive Web Page Design: Developed and designed a fully responsive web page for a section of ItJobXS platform.

- User Verification and Authentication: Solved user verification challenges, efficiently removing fake bots and posts. • Recaptcha Integration: Integrated Google Recaptcha for enhanced website protection against bots and spam.
- o Tech Stack: Utilized HTML, CSS, JS, Bootstrap, and PHP for development.
- Projects

• Chatify(Flutter, Dart, Firebase)-Developing:

- o Developed a cross-platform chat app with Flutter, ensuring seamless functionality on Android, iOS, web, and Windows.
- o Integrated Firebase for real-time messaging, secure authentication, and 50% faster data retrieval across platforms.
- o Optimized responsive UI/UX and device portability for consistent performance on mobile, web, and desktop platforms.
- 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):

- o 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.
- o 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.
- o Develop web applications with Django, utilizing backend integration and dynamic UI templating for efficient solutions.

Vit-Ap Web Development(HTML,CSS,JS,PHP,MySql):

- o Developed dynamic website using HTML, CSS, JavaScript, PHP, and MySQL to enhance user interaction and experience.
- o Designed responsive layouts with HTML/CSS ensuring seamless display across various devices and screen sizes.
- o Integrated JavaScript for interactive features improving website functionality and user engagement.
- o Implemented backend with PHP/MySQL for dynamic content management, user authentication, and database handling.
- o 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):

- o Presented at the 15th International IEEE ICCCNT on advanced topics in computing, communication, and networking technologies.
- o Developed machine learning models like Logistic Regression, Decision Tree to achieve 85% accuracy in IoT healthcare
- Trained and tested models to effectively detect and mitigate security threats in healthcare IoT devices.

ACHIEVEMENTS

- JAVA Programming (My Great Learning)
- Fundamentals of Deep Learning (NVIDIA)
- Soft Skills and Overview of Artificial Intelligence (TCS)

August 2024

March-2024

December 2023