KILLI ABHIRAM

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PROFESSIONAL SUMMARY

As a dedicated Electronics and Communication Engineering graduate (2025), brings hands-on experience in developing deep learning applications, creating responsive web solutions, and designing hardware-level systems. Proficient in C#, Java and Python, with a solid foundation in digital systems and VLSI design. Possesses strong problem-solving skills, a willingness to learn, and the ability to contribute effectively in collaborative and evolving work environments.

EDUCATION

- **Bachelor of Technology in Electronics and Communication Engineering**
  CVR College of Engineering, JNTUH, Telangana, India | 2021-2025 | **CGPA: 8.59**
- **Higher Secondary School Certificate**
  Narayana Junior College, TSBIE ,Telangana, India | 2019-2021 | **96.6%**
- **Secondary School Certificate**
  St Gabrial Educational High School, TSBSE, Telangana, India | 2018- 2019 | **GPA: 9.8**

PROJECTS

1. **Weed Detection using Deep Learning in Agricultural Fields**
   • Designed and implemented a deep learning-based prototype using Convolutional Neural Networks (CNNs) with TensorFlow to accurately classify weeds from crops in agricultural field images.
   • This approach aims to automate weed detection, reduce dependency on manual labor, and support sustainable farming practices through precise and efficient field monitoring.
   • **Technologies used**: CNN, TensorFlow.
2. **Personal Portfolio Website**
   • Designed and developed a responsive personal portfolio website using HTML and CSS to present projects, skills, and achievements in a visually appealing and professional format.
   • The website highlights web development proficiency, showcases UI/UX design understanding, and serves as an online identity for academic and professional visibility.
   • **Technologies used**: HTML, CSS.
3. **Heart Rate Monitoring System from Facial Video using CGAN and CNN**
   • Developed a contactless and non-invasive heart rate monitoring system by analyzing facial video using remote Photoplethysmography (rPPG) techniques. Enhanced signal quality using Conditional Generative Adversarial Networks (CGAN) and employed Convolutional Neural Networks (CNN) for accurate heart rate estimation.
   • Effectively mitigated motion artifacts and lighting variations to ensure reliable performance across diverse environments, targeting applications in telemedicine, fitness tracking, and mental health monitoring.
   • **Technologies used**: rPPG, CGAN, CNN.

TECHNICAL SKILLS

Programming Languages	: C#, Java, Python, C, MATLAB
Web Technologies	: HTML, CSS, .NET
Design & Tools	: Verilog, RTL basics, VLSI, FPGA
Database	: MySQL
Concepts	: Data Structures and Algorithms, CNN

CERTIFICATIONS & AWARDS

- **Cisco certification** in Python Essentials (OpenEDG Python Institute).
- **Oracle Academy certification** in Database Programing with SQL.
- **NDSC** Python Zero to Hero certification by **LetsUpgrade**.
- Gold medal in Tech Quiz conducted at IIT Hyderabad by **EduFabrica**.
- EduFabrica certification in Data Science workshop at **IIT Hyderabad**.

STRENGTHS

- Excellent communication skills.
- Team-oriented and highly adaptable.
- Leadership capabilities and a quick learner.

PERSONAL DETAILS:

- Father's Name : K. V. S. V Prasad Kumar
- Date of Birth : 12-11-2003
- Languages known : English, Telugu, Hindi

DECLARATION

I hereby, declare that the above-mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the same.

Place : Hyderabad
Date : 14-04-2025

(KILLI ABHIRAM)