



Fardin Khan

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Hubballi, Karnataka

Education Background

- KLE technological university
Bachelor of Engineering in Electronics and communication
cgpa 9.0
- Oriental Pre-University College
Karnataka Pre-University Board-2020
Percentage 89.0
- Basel Mission English Medium School
Karnataka SSLC-2018
Percentage 89.76

Technical Skill

Artificial intelligence

- Machine learning
- Deep learning

Embedded systems

- 8051 microcontroller
- ARM LPC2148
- Jetson agx orin

Programming languages

- C
- C++
- Python
- Embedded c
- ALP

Career objective

- Seeking entry-level employment in a highly professional environment. Eager to leverage my education and experience to contribute significantly to company's success

Projects

Detection of synchronization in stereo frames (NVIDIA)



learnings:

- Developed a project using the **Jetson AGX Orin Kit** to analyze synchronization in stereo frames from video streams.
- Utilized NVIDIA VPIs and advanced technology to achieve accurate results.

Image Inpainting on Archeological dataset (ICMISC Accepted)



Learnings

- Employed **UNet** architecture with a **custom loss function** to train a deep learning model for image inpainting.
- Successfully deployed the model on an Android platform for real-time image inpainting on mobile devices.

Office Security System (Course Project)



Learnings

- Designed an office security system with **ARM (LPC2148)**, password-based gate control.
- Included password validation, UART, stepper motor, LCD, and unauthorized access alerts.

Additional

- Operating systems
- DSA & OOPS
- Electronics

Soft Skill

- Communication
- Leadership
- Adaptability
- Decision making
- Multi-tasking

Cricket ball Detection and Tracking (Spookfish Innovations)



Learnings

- Implemented **YOLO** algorithm for real-time object detection and used **Botsort** for accurate object tracking.
- Achieved high accuracy in detecting and tracking cricket balls in match videos.

Achievements & Certifications



- Presented **research paper** "Image Inpainting on Archeological dataset" at **ICMISC** Conference.
- Completed **two successful projects** in collaboration with leading **companies**, showcasing strong teamwork and adaptability
- **Solved 110+** problems in leetcode
- Inter KLE **District** Volleyball **Champion** team member
- Recognized as **Deputy Prime Minister** of the **school cabinet** and **Junior head** in secretary council of **KLE Tech** for leadership and organizational abilities.