FARDEEN VADDO

Computer Science & Engineering • +91 9606528861 • fardeenvaddo6@gmail.com
• linkedin.com/in/fardeenvaddo • github.com/FardeenVaddo

EDUCATION

B.E., Computer Science and Engineering   **2022–2026**

KLE Technological University, Hubli
- Current CGPA: 9.44/10 (As of 5 semesters)
- Coursework's : advanced algorithms, Database Management System, machine learning, and deep learning, Web Development, Operating Systems, Computer Networks, Data structure's and algorithms

Pre-University   **2019–2021**

Dr. R. B. Patil Mahesh PU College, Hubli
- Aggregate: 96% (Top Performer)

TECHNICAL SKILLS

- Languages: C, C++, Python, HTML, CSS, JavaScript, React (basic), Node.js, Express.js.
- Databases: MySQL, MongoDB.
- AI/ML Tools: TensorFlow, Scikit-learn, Pandas, NumPy.
- Other: Docker (basic), Git, Blockchain (Hyperledger Fabric), proficient with Windows and Linux environments
- Soft Skills: Problem-solving, Teamwork, Adaptability, Time Management.

WORK EXPERIENCE

Research Intern – CEVI, Hubli   **2024–Present**

- Developed a deep learning model for parameter estimation of degraded underwater images, and used those parameters towards underwater image restoration.
- Utilized encoder-decoder architectures and the underwater image formation model to extract and estimate color-based features, improving image restoration.

Embedded Systems Intern – TechXcelerate Innovations, Hubli   **2024–2025**

- Engineered a cost-effective microcontroller-based device to measure foot arch height for gait analysis, reducing production cost by 90%
- Programmed embedded software for automated foot arch height measurement, ensuring real-time accuracy.

PROJECTS

Few-Shot Object Detection

- Designed a two-stage fine-tuning pipeline combining transfer learning and data augmentation, achieving high performance in few-shot image recognition

DentCare: Dental Management System

- Created a full-stack web app using React and MongoDB to manage patient records and automate dental clinic operations, reducing clinic scheduling time by 30%
- Deployed the application on Render, configuring real-time hosting and ensuring it was accessible to users with a stable and functional live environment

---

CERTIFICATIONS

- Machine Learning (STEP NITK, Pantech)

ADDITIONAL INFORMATION

- Class Representative, KLE Technological University
- Languages: English (Fluent), Hindi (Fluent), Kannada (Native)
- Event Management Team, Data Science Club
- Volunteer at Amrit Mahotsav, ICC Event, IEEE Conference