Fardeen Vaddo

SOFTWARE ENGINEERING

Phone: +919606528861

Email: fardeenvaddo6@gmail.com

linkedln: Fardeen vaddo

EDUCATION

Bachelor of Computer Science and Engineering | 2022-2026

KLE Technological University, Hubli

- Expected Graduation Date: August 2026
- Coursework: Object oriented programming, Web Development, Computer Networks, Data structures and Algorithms, Operating Systems, Database Management System, Microcontroller, Exploratory Data Analysis, Machine Learning and Deep learning.
- CGPA: 9.44/10 (5 semesters)

SKILLS

Languages

- C, C++, Python
- HTML, CSS, JavaScript, React(basic)
- Node.js, Express.js (Basic)

Database Management

- phpMyAdmin, MySQL ,MangoDb (basic)

Technical Skills

- DSA,OOP

Operating Systems

- Windows, Linux/Unix

AI/ML Tools

- Tensorflow, Panda, Numpy, PyTorch, Scikit-Learn.

Soft Skills

- Problem Solving and Critical Thinking
- Communication and teamwork
- Adaptability and continuous learning
- Time management and organization

PROJECTS

Dentcare (Dental Management System)

- Developed a real-time patient management system to make dental clinic operations easy.
- Designed and implemented the frontend using HTML, CSS, and JavaScript
- Utilized MongoDB to efficiently store and manage patient records, supporting CRUD operations

Few-Shot Object Detection

Machine Learning and Deep Learning Course, 5th Semester

- Machine Learning and Deep Learning Course, 5th Semester Collaborated with my peers to conduct a survey on Few-Shot Object Detection
- Built an architecture combining techniques like transfer learning and data augmentation to improve object detection in images
- Achieved state-of-the-art results in Few-Shot Object Detection Contributed in writing a research paper on Few-Shot Object Detection using 2-stage fine tuning and data augmentation which is under preparation for publication

Arch Height Measurement Device

Microcontroller: Programming and Interfacing Course, 4th Semester

- Built an electronic device to measure foot arch height accurately, reducing human errors in gait analysis.
- Used IR sensors, sliding potentiometers, and microcontrollers to automate measurements and display results on an LCD.
- Improved accuracy over manual methods like the Chipex Smiral Index by eliminating user errors.
- Worked on hardware, software, and circuit design, with potential for patent filing.

Learning-Based Estimation of Attenuation Coefficients for Underwater Image Restoration

Mini Project, 5th Semester – Computer Science and Engineering

- Collaborated with my peers to develop a deep learning-based model for estimating attenuation coefficients in underwater images.
- Built an architecture using EfficientNetB3 and an ANN-based beta predictor to improve underwater image restoration.
- Utilized synthetic underwater image datasets (RSUIGM, SUID) and optimized model performance using PSNR and SSIM metrics.
- Achieved significant improvements in underwater image clarity, making the model applicable for marine research and environmental monitoring.

ADDITIONAL INFORMATION:

- Completed AI/ML Internship at NITK STEP, gaining hands-on experience in developing machine learning models and data-driven solutions.
- Elected Class Representative for two consecutive years.
- Volunteered in various college events.