VARUN PARMAR

+91 9549807643 • varunparmarwork@gmail.com • linkedin.com/in/parmar-varun/ • github.com/tripleschezwanrice

SUMMARY

A versatile machine learning engineer and full-stack developer with a strong sense of design and its impact on user experience. I specialize in creating innovative computer vision solutions and crafting user-centric experiences through intuitive design and efficient code.

EDUCATION

BCA - Bachelor of Computer Application Graduating April 2025
JK Lakshmipat University 9.35 CGPA
Institute of Engineering
Relevant coursework: Fullstack Development, DBMS, Machine Learning

TECHNICAL SKILLS

Programming Languages: C, C++, (DSA), Java, Python, Javascript, Typescript, SQL, HTML5, CSS
Technologies: Nextjs 14, Reactjs, Tailwindcss, Nodejs, MongoDB, Prisma ORM, Firebase
Tools: Git, Github, Figma, Blender, Unity

PROFESSIONAL EXPERIENCE

Ohilo Games, Jaipur: Machine Learning Engineer May 2024 – Current

- Conducted in-depth exploration of computer vision models for human pose detection to enhance motion-based gaming experiences.
- Developed and integrated features such as motion-to-calorie conversion and anti-cheat mechanisms.
- Achieved a 60 percent improvement in model inference time and a 75 percent reduction in load time.

JK Lakshmipat University, Jaipur: Teaching Assistant Jan 2024 – Apr 2024

- Aided and Taught over 30 students with their C programming Foundation Course.
- Helped formulate course structure and assignments to ease the learning curve for students.

PROJECTS

emote.io (Stack - OpenCV, Python, Jupyter Notebook) April 2024
Created a real-time Emotion Tracker using OpenCV and Python.

- Utilized a renowned dataset with 35,000 images spanning 7 emotion classes for model training.
- Developed a real-time emotion detection model capable of analyzing live video feeds.
- Achieved efficient preprocessing and augmentation of image data to enhance model accuracy.
- Conducted extensive testing to validate model performance and ensure reliability in various real-world scenarios.

ANNs vs. CNNs (Stack - TensorFlow, Python, Google Colab) March 2024
Conducted a comparative study between Convolutional Neural Networks (CNNs) and Artificial Neural Networks (ANNs) to establish use cases, pros, and cons.

- Developed and trained multiple models using TensorFlow to compare the performance of CNNs and ANNs.
- Analyzed metrics such as accuracy and training time efficiency to determine the optimal use cases for each type of neural network.
- Documented the findings and created visualizations to effectively communicate the results.
- Utilized Google Colab for efficient model training and experimentation with GPU acceleration.

ACHIEVEMENTS

Central Detective Training Institute, Runner Up
Secured Second Position at the CDTI annual Cybersecurity Quiz with participants from 10+ universities.

JKLU Honor's List
Mentioned in the JKLU Honor's list thrice for maintaining 8.5+ SGPA.