SHIVESH RANE

AI/ML INTERN

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SUMMARY

Motivated aspiring AI/ML Engineer with a strong foundation in Python, JavaScript, and key frameworks including Scikit-learn, and TensorFlow. Proficient in developing and implementing NLP and Computer Vision solutions through hands-on projects. Eager to contribute technical expertise, collaborate on innovative AI initiatives, and grow within a dynamic team environment.

TECHNICAL SKILLS

- **Languages:** C, C++, JavaScript, Python, SQL.
- **Frameworks:** TensorFlow, Sci-kit Learn, Transformers, Pandas, Seaborn, NumPy, Flask etc.
- **Additional Skills:** English, Hindi, Teamwork, Leadership etc.

PROJECTS

Yolo based cricket ball speed estimator:

- Fine-tuned YOLO-V5 model to track the cricket ball and the pitch in a video clip.
- Using the pitch as a reference, applied a perspective transformation to provide a standardised view of the ball's path.
- The transformed ball positions are used to calculate the ball displacement over time.

Research paper implementations

- Implemented Multiple research papers to understand the working of different architectures
- Computer vision papers like AlexNet, ResNet, InceptionNet, FasterRCNN, UNet etc. and NLP papers like Transformers (GPT), Llama, BERT, Rotary Embeddings, Positional Encodings etc were executed successfully.

SkimLit

- Implemented the famed Skim-Lit paper on PubMed 200k RCT dataset, achieving around 83% validation accuracy.
- Developed a multi-modal text input method, with word token and character token embedding inputs.

EDUCATION

Goa College of Engineering   **September 2022 - Present**

- Bachelor's of Engineering in Computer Engineering.
- CGPA (till Semester V): 8.11

Rosary Higher Secondary School, Navelim   **September 2020 - March 2022**

Pre-University Course (PUC):84%