

# ARCHIT ANAND

BENGALURU,INDIA  
|arcanand999@gmail.com| [Linkedin](#) | [Github](#) | [Leetcode](#)| [Website](#)

## EDUCATION

- **PES University**  
B-Tech in Computer Science and Engineering

2021–Current
- **Rajendra Vidyalaya**  
ISC 2021–93 %  
ICSE 2019-96.4%

## PROJECTS

- **FRAMESCRIPT: NARRATIVE SYNTHESIS FROM IMAGE SEQUENCES**|LLM | TRANSFORMERS| ENCODER-DECODER|
  - Utilized Encoder CNN (Inception v3-based) and Decoder RNN (LSTM-based) for image captioning along with an MPT-7B-Instruct model for story generation.
  - Incorporated Attention with Linear Biases (ALiBi), Flash Attention, and Nvidia's Faster Transformer for efficiency and performance enhancement.
  - Achieved a BLEU score of 0.77, surpassing state-of-the-art solutions.
- **BOWL BUDDY | COMPUTER VISION | DEEP LEARNING | REVERSE IMAGE SEARCH |**
  - Developed a deep learning model for bowler performance enhancement.
  - Predicted injury susceptibility by analyzing joint angles, force distribution, and historical injury data.
  - Achieved a high accuracy of 95% with an F1 score of 97.
  - Research paper to be published in Springer conference in August 2024.
- **EL CLASSIFY | DEEP LEARNING | ENSEMBLE LEARNING |**
  - Implemented and compared different classifiers for a music recommendation system.
  - Achieved the best accuracy of 92% through an ensemble of XG Boost and CatBoost.
  - Participated in a Kaggle competition, securing the 14th position out of 100+ teams.
- **PEREGRINE: HIGH-ALTITUDE STOCK MARKET INSIGHTS**|FEATURE ENGINEERING | TIME SERIES FORECASTING | REGRESSION ANALYSIS|
  - Developed a system to assist High Net Worth Individuals (HNIs) in investment decisions.
  - Predicted future stock closing prices and recommended actions (buy, hold, sell).
  - Achieved an accuracy of 91%.
  - Participated in a Kaggle competition, securing the 60th position out of 273 teams.

## SKILLS

- **LANGUAGES:**Python,C,C++,JAVA
- **Machine Learning Tools:** TensorFlow, PyTorch, Scikit-learn
- **Computer-Vision :** OpenCV, YOLO, MediaPipe
- **Architectures:** Deep Neural Networks, VAE, RAG, GAN, Diffusion
- **Web-Development:** React, Next.js, Tailwind CSS, MongoDB, MYSQL

## EXPERIENCES

- **SummerResearch Intern |Sports Technology and Analytics Research Centre (STARC)**

June2023 -August2023

- As a Research Intern at STARC, I spearheaded the development of "Bowl Buddy," a pioneering deep-learning model that analyzed bowling techniques.
- My role involved training the model using extensive datasets of optimal and injury-prone actions, enabling bowlers to refine their technique by comparing their actions with the model's recommendations, minimizing modifications for improved performance and injury prevention.

- **Centre for Innovation and Entrepreneurship, PES University**

August 2022 -November 2022

- As a team-lead, I initiated and developed a startup from scratch,overseeing feasibility analysis(social,economic,and technical), workflow management,and marketing.
- This role expanded my understanding beyond technical aspects, providing a holistic perspective on the dynamics of running an institution.