

Y.M V A D Yapa

Skill Analyzer/ Data Scientist/ Fitness Coach

- I am a Skill Analyzer, Data Scientist, and Fitness Coach with expertise in sports science, biomechanics, and data analytics. I use performance data and training insights to optimize athletic development, strength, and conditioning. Passionate about blending science and technology, I help athletes and clients achieve peak performance.
- Proficient in predictive modeling, data processing, data mining algorithms, and scripting languages, including Python and Java.

@ WORK EXPERIENCE

Projects and Research

Motion Analysis Program – A Python-based program for analyzing human movements, angles, and CG pathways.

GitHub: [https://github.com/Asanka999/CG_Detector_and_Analyzer.git]

- Developed a video-based movement analysis tool with biomechanical landmarks.
- Integrated space calibration and center of gravity tracking for accurate analysis.

Physical Fitness Trainer and Team Physio

(Sabaragamuwa University of Sri Lanka/ Team kabaddi)

2023-2025

- Trained 20+ athletes, improving their strength, endurance, and agility
- Led the team to 1st place in the Inter-University Games Championship.
- Developed customized fitness programs, increasing overall team performance by 30%.

Volunteer

03/2025

Sabaragamuwa University: SABRA SUPER 7

First Aid Team Volunteer

- Provided first aid assistance to **over 100+** athletes and spectators.
- Responded to **15+ medical emergencies** per event, ensuring quick and effective care.
- Collaborated with a team of **10+ volunteers** to ensure safety across the venue.

@ EDUCATION

BSc. Hons Sports Sciences and Physical Education

Sabaragamuwa University of Sri Lanka.


(Undergraduate)

Sabaragamuwa University of Sri Lanka – Faculty of Applied Sciences


(Expected Graduation: [2026])

Key Coursework:

- Sports Biomechanics
- Strength & Conditioning
- Nutrition
- Physiology
- Kinesiology

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 **LinkedIn:** [linkedin.com/in/Asanka999](https://www.linkedin.com/in/Asanka999)

 **GitHub:** <https://github.com/Asanka999>

@ TECHNICAL SKILLS

Database/Server:

Firebase

Programming Language:

R, Python, OpenCV, HTML, CSS, JavaScript.

Other Software/Tools:

Machine Learning/MS Word/ MS Excell/ MS PowerPoint.

@ SKILLS

Leadership & Teamwork – Trained 20+ athletes, leading them to 1st place in the Inter-University Games.

Problem-Solving – Developed a motion analysis program to enhance sports performance evaluation.

Time Management – Managed multiple projects in web development, mobile apps, and physical training.

Adaptability & Quick Learning

Communication & Collaboration – Worked with athletes, university staff, and developers to build effective solutions.

@ CERTIFICATES

Certificate in Computer Office Applications

National Youth Services Council (NYSCO)

- MS Word, Excel, PowerPoint, Access, Internet & Email

Diploma in English

English Past Graduate Association