



James Melvin Priyarajan

📞 +91 – 9886008107

✉ melvinebenezer@gmail.com

📍 Bengaluru- India

EXPERTISE

- Artificial Intelligence
- Bio-Mechanics
- Computer Vision
- NLP
- Open Source
- Robotics
- Bluetooth

Open-Source

Open-Assistant

- <https://open-assistant.io/team>
- <https://github.com/LAION-AI/Open-Assistant>

Cuda-Mode

- <https://github.com/cuda-mode/ring-attention>

LinkedIn

- [jamesmelvinebenezer](#)

GitHub

- [melvinebenezer](#)

SUMMARY

Bringing over 19 years of industry experience in building products and managing globally distributed technical teams. Co-founded GAMEFACE.AI, an award-winning AI based sports analytics company, which was built from ground up and led to a **successful acquisition** by Slinger Bag US in 2021, marking a significant achievement in my career. Following this success, took the challenge of addressing mental well-being through technology as the Co-Founder and CTO of a start-up dedicated to improving mental health awareness. Addera Health (Behviour Graphs Inc. US)

Passionate about AI and Opensource. Getting machines to think and enhance human potential is an endless Art and I add my part to the mix

Outside the Tech World: Drummer, Soccer player and pet person

Co-Founder, CTO – Addera Health (Behaviour Graphs Inc. US)

Bangalore, Berlin. • April 2023 - Present

- **Spearheaded** the design and development of products aimed at supporting individuals with **ADHD**.
 - **Chrome extension:** [Addera Health](#)
 - **Android App:** [play store link](#)
 - **iOS App:** [app store link](#)
- **Company Vision, Mission, and Culture:** Custodian of the Employee Culture and Employer Brand.
 - Implemented Employer Value proposition playbook.
 - Managed a distributed team of 5+ experts in ML, Full stack, Sales, Product etc ...

Co-Founder, CTO – GAMEFACE.AI (SlingerBag US)

Bangalore, Sydney. • Nov 2018 – March 2023

- **Designed and built AI SaaS platform** analyzing sport videos, using AI models, for various sport fraternities.
- Built a platform to serve distributed AI models.
- The platform was agnostic of the ML framework used. Like pytorch, tensorflow (different versions), caffe etc.
- Highly optimized for streaming videos, RTMP and static videos
- Provided an RPC interface of the AI models to the business logic layer.

PATENT PENDING

296594- Kinematic Analysis of Events During Playing of Sports Including Feedback Display

Provisional Patent filed in ISRAEL

In Press

Click on the Links

- [Smart Company Australia](#)
- [Financial Review](#)
- [Fortune Fastlane](#)
- [ConnexaSports](#)

Links to Products I built.

Click on the Links

- [Slinger Tennis APP](#)
- [Peer Test of Slinger APP](#)
- [Automated Monopod](#)
- [Player Formation for FCB](#)
- [Robotic Arm](#)
- [Robotic Arm testing a mouse](#)
- And more...

SKILLS

- Python, C, Java, C#
- Flask, FastAPI, React
- Tensorflow, Pytorch
- AWS, GCP
- OpenCV, UNITY-3D
- Docker, K8s
- Postgres, MySQL
- MongoDB, Redis

WORK EXPERIENCE

● Founder, CTO – GAMEFACE.AI (SlingerBag US Company) contd...

- **Patented** Solution for Tennis Players. It uses biomechanics and 3D avatars to convey metrics to end users. **Slinger APP** on iOS and Android currently Beta testing
- Trained new AI models and built core algorithms for Player tracking and formation tracking in Football for **FC Barcelona**
- Reduced Coach analysis from 3 days to 1 hour for **Cricket Australia**
- Hinterland Scouting across India for the best bowler for **RCB(Royal Challengers Bangalore)**. One person identified by the AI system
- **As a team was able to get 8 Clients, 1 patent and few awards**
 - MIT Sloan (Third)
 - WFS Malaysia (participation)
 - China AI Start-up Contest (First)
- **Other innovative Solutions/POCs**
 - Monopod to reduce motor vibrations that are transferred to the camera recording
 - [Link to the Monopod POC](#)
 - 3D avatar built using inverse kinematics, on UNITY to show bio mechanics for sports. E.g. Tennis
 - [Link to 3D avatar](#)
 - Passion with video editing lead to peer testing video – [link to peer analysis](#)
- **Company Vision, Mission, and Culture:** Custodian of the Employee Culture and Employer Brand.
 - Implemented Employer Value proposition playbook.
 - Managed a distributed team of 30+ experts in ML, Full stack, Sales, Product etc ...

● LAION-AI/Open-Assistant, Open-Source

Remote • Jan 2023 – Jun 2023

- Part of the FullStack and ML Teams
- This an open source project on training LLMs to build a ChatGPT type service.
- Contributed in the data pipeline part of the project
- <https://open-assistant.io/team>
- <https://github.com/LAION-AI/Open-Assistant>

YouTube Mentions

- [Open-Assistant](#)

Hobbies (Drummer, Footballer)

Click on the Links

- [Covid dedication](#)
- [Annual Event at Qualcomm CSR](#)
- [My First Solo](#)

WORK EXPERIENCE



STAFF Engineer, CSR (Acquired by Qualcomm)

Bangalore • Sep 2010 – Nov 2018

Test Frame Works:

- Joined as team member and went on to lead the Test Automation Team of 9+ FTEs and Contractors
- During this tenure, built Test frameworks. Enhanced existing ones and custom built innovative testing solutions that impacted product development and testing.
- Test Framework - CSR was building WIFI and Bluetooth technologies. Each Tech team used their own test framework and a test suite of different languages.
- The challenges were to unify the test suites and importantly the interoperability of both Technology since they used the same Frequency 2.4Ghz.
- We created a scalable and tech agnostic test framework which leveraged existing test suites and was able to test interoperability that helped identify bugs that were not possible earlier.

BLE 4.0: With the advent of Bluetooth low energy (4.0)

Innovative test solutions were required. Designed and built a Test Framework and various tools to automate testing of Bluetooth products like keyboard, Mouse, Tire Pressure Sensor etc. that were based on Qualcomm-CSR chipsets.

- Built two Robotic Arms to test consumer products
- The Robotic Arm was able to find RF bugs that occurred once in couple of weeks. This was not possible by Manual or other testing methods
- [Link to the Robotic arm in action](#)

Bluetooth Mesh technology required product testing for industrial purposes.

- 100 mesh devices were spread out depicting floor plans. This was cumbersome for manual testers to flash code or control the end devices at every release, because they were spatial spread out in a large area
- Created a custom rig using Arduino and RC car to relay info that was used to control the behaviour of these spatially spread out devices

Acquisition by Qualcomm: Enhanced their test frameworks to plug CSR test frameworks into existing cloud based platform, for a larger audience.

Certifications

Deep Learning Specialization –
Deep Learning AI



Competency Tech Leader, NXP – ST-Ericsson

Bangalore, LE-Mans (FRANCE) • OCT 2007 – JUL 2010

- Was Responsible for the SIM(Subscriber Identity Module) and Telecom Application Interface **across Business Units in India and France**
- Maintained and implemented many features as per Spec of 2G and 3G
- Worked across teams and leading a team with a horizontal line of reporting



Member Technical Staff, Digibee Microsystems

Bangalore • Aug 2005 – Sep 2007

- Part of the Mobile Apps team
- Implemented and tested Wireless profiled TCP
- Built a Memory Corruption Detection tool (Betsy) that helped detect Memory leaks and other overflows. This was built for the ARM7 architecture.
- *Awarded the Innovation of the Year by the Company for its impact*



Associate Consultant, Iflex Solutions (Oracle)

Bangalore • Oct 2004 – July 2005

- Was part of the Retro team
- Provided fixes for financial products in the African Subcontinent



Intern with ISRO

Bangalore • Feb 2004 – May 2004

- Built an MVP for Virtual Classroom in Satellite Based Education

Education



Bachelor of Engineering (Computer Science)

Vishweshwaraiah Technological university (Bangalore- INDIA)

2000 – 2004 • **72.26%**



Pre-University

St. Joseph's College Of Arts And Science (Bangalore- INDIA)

1997 – 1999 • **72.33%**



Matriculation- ICSE

Bishop Cotton Boy's School(Bangalore- INDIA)

1987 – 1997 • **75.16%**