Music exploration tools for Carnatic music

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compmusic
CompMusic: “Computational models for the discovery of the world’s music”

[funded for a period of 5 years and a budget of 2.5 million Euros]
Web view of the world
Tools for music exploration

iTunes interface showing genres, artists, and albums.
Information technologies should deal with the cultural richness of the world !!!!!
## Making sense of music data

T.M. Krishna is at the forefront of classical vocalists in India today and is known in the musical world as a classist. His tremendous stage presence, his awe-inspiring voice, his great scholarship and his ability to transcend cultural borders makes him the greatest ambassador of Carnatic classical music. He contributes to Carnatic music in numerous ways other than performing. He has started and is involved in many organisations whose work spreads across the whole spectrum of Carnatic music including research, archival and documentation, taking Carnatic music to various parts of society and to smaller towns and villages, conducting festivals focused at the youth, supporting artists from rural south India who need opportunities to widen their horizons and spotting youth talent and giving them opportunities. He conducts creativity workshops for corporates and has lectured in various organisations like IIM Bangalore, IIT Medias, CII, and Harvard university. He is an author who has co-authored Voices within a book dedicated to some of the greats of Carnatic music and contributes regularly to various journals and newspapers. He has also always been in the forefront to raise very many sensitive issues that affects Carnatic music over many years. A multifaceted personality.

### CD 1

<table>
<thead>
<tr>
<th>Track</th>
<th>Details</th>
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| 1     | Tharanam Edamma - D.K. Jayaraman  
background vocals: Sukanya Sankaraman, Balaji Shankar  
lead vocals: D.K. Jayaraman  
mridangam: J Vaidyanathan  
vilin: R.K. Shriramkumar  
recording eff: Tharanam Edamma  
lyricist: Syama Sastrl  
composer: Syama Sastrl |
| 2     | Parvathi Pathim  
background vocals: Sukanya Sankaraman, Balaji Shankar  
lead vocals: D.K. Jayaraman  
mridangam: J Vaidyanathan  
vilin: R.K. Shriramkumar  
recording eff: Parvathi Pathim  
lyricist: Muthuswamy Dikshit  
composer: Muthuswamy Dikshit |
| 3     | Chanti-Thaye  
background vocals: Sukanya Sankaraman, Balaji Shankar  
lead vocals: D.K. Jayaraman  
mridangam: J Vaidyanathan  
vilin: R.K. Shriramkumar  
recording eff: Chanti-Thaye  
lyricist: Shriramkumar  
composer: T.M. Krishna |

### قدم الأصبهان

#### توشية الميزان

الصناعة 1. شكل - إصبهان - زجل
يا الكُرْكِبُ الأخلاة  قلبي في واقع
"توضية"  
هومنًا يا فئان
قد نحني الأذنُ  
بأله يا سلطان
رفقًا بِهِنِ  
وُذر جفالت

الصناعة 2.  إصبهان - توشية
من مُقلَّتي سطط  
كِتَانَا في الهَطط  
يا تائفُ النُّذالِ  
من دمْعي
يا معْتبرُ الغزالِ  
يا كُفَّةُ الجمالِ  
يا غدَّ فن غذا  
كَفالتِي سطط  
بَني على شطط  
يا جنبي وياري  
مُذ بُث بالنَّفَّارِ
Signal processing
Machine learning
Music exploration

- Melodic patterns
- Rhythmic patterns
- Semantic relationships
Why Carnatic music?
The success of CompMusic will be based on COLLABORATION
Thanks