

# Elankovan M G

ME17S300

55/ME/21/038

WWW <https://ilailabs.github.io/profile-elankovanmg/>

Conscientiousness and patience are my key personality traits. I have strong inclination towards Science & Technology and interested to work on projects relevant to Machine Learning, Deep Learning & AI technologies. Opportunity that challenges my skill sets and knowledge would be highly appreciated.

## Computer Proficiency

MATLAB for Scientific Computing



Python



Linux OS



Shell scripting in Linux



Markdown



Exposure to GitHub



## Work History

2020-06 - Current

### Project Lead

*Prepleaf Preparations Pvt. Ltd*

- **Project OnlineTangedco:** Conceived a project idea and collaborated with PrepLeaf Preparations Pvt. Ltd as our technology partner
- Roles & Responsibilities: Planning the project; Assigning the tasks to teammates; Monitoring the progress. Also responsible for strategic marketing and sales of the product

2018-03 - Current

### Educator

*Freelance Educator*

- 300+ Hours of classroom teaching experience and 35+ Hours of online teaching experience in the following topics in **Engineering Mathematics**
- Determinants & Matrices; Calculus & Differential Equations; Vector Calculus; Functions of Complex Variables; Transforms; Numerical Methods; Applied Probability

2019-05 - 2019-07

### Project Associate

*Chennai Urban Resilience Program*

- **Social Project** : Closely collaborated with international student team to address solutions related to Chennai's solid waste management. This project was organized and sponsored by
- **University of Cambridge, IIT Madras, Yale NUS College, University of British Columbia**

## Education

2017-07 - 2020-12

### Master of Science: Interdisciplinary(Mechanical & Physics)

*IIT Madras - Chennai*

Studied thermal heat transport properties of various grain boundary interfaces in Silicon bicrystal

samples using **Molecular Dynamics** computer simulations.

**Leadership Courses:**

- **Innovative Entrepreneur-I (9/10)**
- **Urban Resilience (9/10)**
- **Winter School on Social Entrepreneurship (8/10)**

2012-07 - 2016-06

**Bachelor of Engineering: Mechanical Engineering**

*Thanthai Periyar Govt. Institute Of Technology - Vellore*

2010-06 - 2012-06

**Higher Secondary: Computer Science**

*Velammal Matric Hr. Sec. School - Surapet*

2009-07 - 2010-06

**High School**

*Velammal Mat. Hr. Sec. School - Surapet*

## Online Courses

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- **Apr 2020** - Introduction to Flutter Development using Dart | **AppBrewery**
- **Apr 2020** - AWS Cloud Practitioner Essentials | **AWS training**
- **Dec 2019** - Introduction to Statistics With Matlab | **Matlab Academy**
- **Nov 2019** - Introduction to Linear Algebra With Matlab | **Matlab Academy**
- **Sep 2019** - Machine Learning With Matlab | **Matlab Academy**
- **Jun 2019** - Deep Learning With Matlab | **Matlab Academy**
- **Apr 2019** - Joy of Computing Using Python | **NPTEL-IIT Ropar**

## Projects

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**Flutter Application:**"Quiz TANGEDCO-AE" application helps the aspirants preparing for competitive exam by attempting quizzes

- **Functionalities Implemented:** (1)User Login & New user registration; (2) Display the contents of Notes & Quizzes from **google firestore** (3) Evaluates the quiz score with the marking schemes (4) Makes the solution available for user attempted the test (5) User profile details
- **Type:** Hobby Project; **Duration:** 3 Weeks; **No of Users:** Less than 100; **Built Using:** Android Studio with Dart Programming language; deployable to android & iOS mobile devices

## Accomplishments

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- Selected in **International Winter School on Social Entrepreneurship**, IIT Madras
- **Published** a paper titled " *Conceptual design of Electromagnetic Damper for motorcycle suspension* " IJERT, Vol.4, Issue 08
- **Winner** : Paper presentation in National Technical Symposium-2014, CIPET, Chennai
- **Best Paper presentation award** CRANIKZ Symposium 2015, TPGIT, Vellore
- **Winner** : CAD Modelling in National Symposium-2014, CIPET, Chennai
- **Winner** : CAD Modelling in National Symposium-2015, Velammal Engg. College
- **Winner** : CAD Modelling in National Symposium-2015, Adhiparasakthi College of Engg.

## Other Interests

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- Loves playing Guitar; Gardening & Cooking
- Fitness hobbies includes Cycling, Swimming & Squash