

Elankovan M. G.

Mobile App Developer - Frontend

AMEPAY Pvt. Ltd
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As a person with a strong inclination towards computer technology, I am passionate about building software applications that could transform ideas into business , in any domain, engineering/scientific/industrial/business/finance.

Computer Proficiency

Flutter for mobile/web applications	<div><div></div></div>	8/10
React Native for mobile applications	<div><div></div></div>	4/10
Python-Flask for REST API development	<div><div></div></div>	4/10
MATLAB for Scientific Computing	<div><div></div></div>	8/10
Python for General Purpose Programming	<div><div></div></div>	6/10
Exposure to HTML/CSS/Javascript	<div><div></div></div>	6/10
Proficiency in Linux OS	<div><div></div></div>	6/10
Shell Scripting in Linux	<div><div></div></div>	6/10
Documentation Skills: Markdown/GitBook/LaTeX	<div><div></div></div>	8/10

Work Experiences

2021 Oct - Current	Front-end Developer(Full-time) <i>AMEPAY Pvt. Ltd., Chennai, Tamil Nadu</i> Job roles: (1) To design webpages & mobile apps based on user requirements and balanced functional and aesthetic designs (2) to create User Interfaces for Mobile/Tablet/Desktop and (3) to build applications (SPA's) using React Native [or] Flutter .
2021 Jan - 2021 July	Project Lead (Contract) <i>Prepleaf Preparations Pvt. Ltd</i> Roles & Responsibilities: Planning the project; Assigning tasks to course instructors; Monitoring the progress. Also responsible for strategic marketing and sales of the product/services offered.
2017 Jun - 2020 Dec	Educator (Part-time) <i>I'M AN IAS Academy, Chennai, Tamil Nadu</i> 300+ Hours of classroom teaching experience and 35+ Hours of online teaching experience in Engineering Mathematics
2016 May - 2017 June	Associate Content Developer (Full-time) <i>Way To Victory Pvt. Ltd., Chennai, Tamil Nadu</i> (1) Prepare the course resource material and LaTeX documents (2) To Prepare the transcript for the video lectures (3) To prepare MCQs based on the given topics

Education

2017 July - 2020 Feb	Master of Science: Interdisciplinary(Mechanical & Physics) <i>IIT Madras - Chennai</i> Computer Simulations of Grain Boundary Interfaces using LAMMPS Numerical simulations of heat transport phenomenon at boundary interfaces in a polycrystalline material at nanoscale using using Molecular Dynamics Simulation techniques using LAMMPS software.
2012 July - 2016-Jun	Bachelor of Engineering: Mechanical Engineering <i>Thanthai Periyar Govt. Institute of Technology - Vellore</i>

2010 Jun - 2012 Jun

Higher Secondary: Computer Science

Velammal Matric Hr. Sec. School - Chennai

2009 July - 2010-Jun

High School

Velammal Mat. Hr. Sec. School - Chennai

Courses

- Academic Coursework:**
- Applications of Molecular Dynamics **(9/10)**
 - Finite Element Analysis **(8/10)**
 - Foundations of Computational Materials Modelling **(8/10)**
 - Structure and Properties of Grain Boundaries and Interfaces **(7/10)**
 - Advanced Mechanics of Solids **(7/10)**
- Leadership Courses:**
- Innovative Entrepreneur **(9/10)**
 - Urban Resilience **(9/10)**
 - Winter School on Social Entrepreneurship **(8/10)**
- Online Courses:**
- Introduction to Flutter Development using Dart | **AppBrewery** | Apr 2020
 - AWS Cloud Practitioner Essentials | **AWS training** | Apr 2020
 - Introduction to Statistics With Matlab | **Matlab Academy** | Dec 2019
 - Introduction to Linear Algebra With Matlab | **Matlab Academy** | Nov 2019
 - Machine Learning With Matlab | **Matlab Academy** | Sep 2019
 - Deep Learning With Matlab | **Matlab Academy** | Jun 2019
 - Joy of Computing Using Python | **NPTEL-IIT Ropar** | Apr 2019

Projects

- AME Wallet [Published June 2022]:**
- AME Wallet is crypto-currency wallet application that helps to connect with etherium and amechain blockchain to send & receive transactions[**Android/iOS Moible Application - Flutter Application**]
 - The application is feature rich with Burn & Mint, Biometric lock, AES Encryptions for storing private keys[[Play Store link](#), [App Store link](#)]
- Ozone Wallet[Ongoing Project]:**
- A crypto-currency wallet application to connect with ozonechain blockchain to interact with smart contract, send and receive transactions [**React Native Application**]
- Academic Research Projects:**
- Kapitza Resistance and Energetics of Symmetrical Tilt GBs in Silicon[**MS Research Project**]
 - Investigation and Design of customized Airfoil for Low-Speed Vertical Axis Wind Turbine[**UG Project**]
 - Kinetic Energy Recovery System Adopted Bicycles[**UG Mini Project**]
 - Conceptual Design of Electromagnetic Damper for Motorcycle Suspension [**Journal Publication**]
 - Numerical solution for plane problems using Finite Element approach [**Course Project: ME6800**]
 - Uniaxial Tensile Test of Single Walled Carbon Nanotube: A MD approach[**Course Project: AM6512**]
 - MD Simulation of Dislocation Dipole[**Course Project: ME7244**]
- Social Projects:**
- Urban Horticulture Project [**Course Project: ID5120**]
- Computer Applications:**
- **Static web pages published on Git pages**
 - **Flutter Application(Android App)**
 - **Code Correction Web App**

Accomplishments

- 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

Carnatic Music, Cycling & Swimming