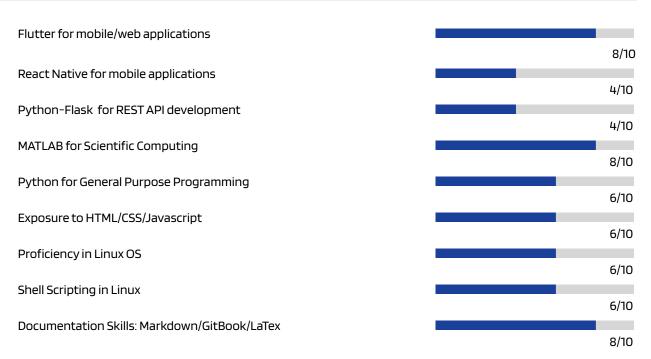
Elankovan M. G.

Mobile App Developer - Frontend

AMEPAY Pvt. Ltd elankovanmg@gmail.com 99402 75422 **LinkedIn** https://www.linkedin.com/in/elankovanmg/

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



Work Experiences

2021 Oct - Current Front-end Developer(Full-time)

AMEPAY Pvt. Ltd., Chennai, Tamil Nadu

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)

Prepleaf Preparations Pvt. Ltd

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'M AN IAS Academy, Chennai, Tamil Nadu

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)

Way To Victory Pvt. Ltd., Chennai, Tamil Nadu

(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)</sup>

IIT Madras - Chennai

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

Thanthai Periyar Govt. Institute of Technology - Vellore

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