

Deebalakshmi Mathan

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Professional Summary

To amplify my knowledge in the best possible way so as to suit the requirements of the company and to facilitate the company's growth and develop my skill as well.

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2017	Master of Engineering	Annamalai University	7.8/10.0
2015	Bachelor of Technology	Adhi Parasakthi Engineering College	6.9/10.0
2011	Class XII	Ramasamy Chettiar Higher Secondary School, State Board	66.0%
2009	Class X	Ramasamy Chettiar Higher Secondary School, State Board	90.0%

Experience

Vicara (Araciv Technologies Pvt Ltd),
Frontend Developer

February 2022 - Present

- Vicara is a hardware startup specializing in Immersive Interaction Devices and Motion & Gesture Tracking. Vicara is building the next generation of Interaction Devices for the Immersive Digital World
- I have created Analytic web dashboard, Web app which is communicate with the Device and recently I have built android app using `flutter` at Vicara

Christian College of Engineering | Assistant Professor

February 2021 - November 2021

Subject Handled:

- Mobile Computing
- Object Oriented Programing

Sri Andal Alagar College of Engineering | Assistant Professor

July 2019 - January 2021

Subject Handled:

- Cyber Forensic
- Cryptography Network System
- Object Oriented Analysis and Design

Internship and Certifications

Newton School | Newton School Coding Boot Camp

June 2021 - November 2021

- Full stack Web Development along with Problem Solving
- Technical Stack Learned: React js, JavaScript, CSS, Bootstrap, HTML
- Developed various projects like E-Book Shopping, Online Bike purchasing, Registration form.
- Created a Todo app(React Js), Weather App(React js)

Projects

Vehicle Check - In Application | Vicara

- This is an Android app for vehicle check in
- **Key Achievement:**
 - I have created this full app it has four main screens, 1. Check-in, 2. Check-out, 3. Status update and 4. Vehicle Lookup
 - I have implemented flavors which means same code base with different company theme.
 - This app also has login JWT authentication screen
- **Tech Stack:**
 - Flutter

BAT Marigold App | Vicara

- Vicara is developing a gesture-based e-cigarette for BAT Marigold.
- **Key Achievement:**
 - I have created app which is communicate with the device. We can monitor and update the device functionality and also, can update the gesture information
- **Tech stack:**
 - React
 - Electron

Arkema Safety Solutions | Vicara

- Efficient and real-time tracking of plant personnel is achieved through the use of Vicara Smart Helmet.
- **Key Achievement:**
 - I have created Digital Dashboard with push notification with immediate response mechanism
- **Tech Stack:**
 - Python dash

Kalai & Smart Tools Development | Vicara

- Kalai is a sensor band worn by employees during their work, collecting data and sending it to a backend system
- I have built a frontend dashboard that helps monitor the performance details of the tools and allows users to view graphical representations of the collected data
- **Key Achievement**
 - Building the full dashboard
- **Tech Stack:**
 - Python dash

Maruti Analytic Dashboard | Vicara

- This dashboard is help to monitoring employee's performance
- **Key Achievement:**
 - I have fixed bugs, added new component and make it responsive website
- **Tech Stack:**
 - React and Material UI

Academic Projects

Speech Enhancement using Mel Frequency Cepstral Coefficients and Mel Frequency Discrete Wavelet Coefficients | Annamalai University

June 2016 - May 2017

- This is My PG (M.E-CSE) Project
- Domain: Speech Enhancement
- This is project help us to improve quality of degraded speech signal
- I have collected dataset from Noizeus database
- Tech Stack: Matlab

Shadow Detection and Removal from Remote Sensing |Images with High Resolution Adhi Parasakthi Engineering College

January 2015 - May 2015

- This is My UG (B.Tech- IT) Project
- Domain: Image Processing
- This is project help us to remove shadow form remote sensing images with help of morphological algorithm.
- Tech Stack: Matlab

Skills

Computer languages Javascript, Python, Java, HTML, CSS
Software Packages React ,Flutter, Python dash

Co-Curricular Activities

- Attended technical level Symposia in IFET college of Engineering at Viluppuram.
- PUBLICATION : M. Deebalakshmi and B. Kirubagari, 'Speech enhancement using Mel frequency cepstral coefficients', IJSART, vol 3, Issue 2, Feb 2017.