

## Education

- 2011 – 2015 **Bachelor of Engineering in Computer Science and Engineering,**  
*IFET College of Engineering, Villupuram,*  
*GPA – 7.13.*
- 2011 **Higher Secondary Education,**  
*V.O.C Government Higher Secondary School, Puducherry,*  
*Percentage – 79%.*
- 2009 **Secondary School,**  
*S.R.D.K.Vivekandanda Vidyalaya, Chennai,*  
*Percentage – 86.6%.*

## Technical Skills

- OS **GNU/Linux, Windows.**
- Prog. Languages C, C++, Python, Ruby, HTML, CSS, Javascript
- Backend FWs Flask, Django, Ruby on Rails, Sinatra, ExpressJS
- Frontend FWs ReactJS, JQuery, Bootstrap
- Design Tools Inkscape, GIMP
- Library Mgmt. **Koha.**
- Dev Tools **Development, Version Control, CI/CD, Documentation.**
- IDE: Atom, Sublime Text, Vim
  - Git
  - Gitlab CI, Travis
  - RevealJS, Libre Office, Markdown, Swagger
- GIS **Platforms & Tools.**
- Open Street Map, Humanitarian OSM
  - JOSM, iD Editor, QGIS (Beginner)

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## Work Experience

- 2017 – 2018 **Sedin Technologies, Senior Software Engineer.**
- Worked on a **Ruby on Rails** based Insurance Application with Employers, Employees and Insurers
  - Managed a Project with a Team of 4 Developers and co-ordinated them with mediums like Slack, Bitbucket, Skype, etc
  - Responsible of Delivery of Features with good **Code Quality, Test Cases, Deployment, etc**
  - Maintained Server Deployments with **Puma** and **Nginx** on Digitalocean
- 2016 – 2017 **MobMe Wireless Solutions, Backend Developer.**
- Worked as a *Backend Developer* on a Mobile Banking Application for **Federal Bank**
  - Managed the project by meeting the Client requirements and deliveries
  - Maintained the project with proper Code Quality and deployment methodologies in the Server
  - Managed all the production deployments in the Secure Bank Systems
  - Co-ordinated the project with the team of Frontend Developers, Designers, Client working along
- 2015-2016 **Central Leather Research Institute - CLRI, Project Assistant.**
- Worked on a Library Digitization Project using **KOHA (FOSS Library Software)**
  - Managed all the database migrations from the existing proprietary systems such as *LibSys, NewGenLib, etc*
  - Attended a *Training Programme in CSIR* for digitization of Libraries in India
  - Managed automated Jobs and Schedules using Shell Scripting in Linux
  - Experience in working on **CentOS Platform** for installation and Setup

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## Projects

- Spyduino **Arduino based Intruder Detection System, Python, Arduino, Shell.**
- Detects the Intruder using the **Ultrasonic Sensor** binded with Arduino
  - Handles the Camera in Python using *pygame* module
  - Uses Shell Scripting to store the images and upload it to the maintainer
  - The project repository can be found in [Github](#)
- KRC **Knowledge Resource Centre, Koha.**
- Implemented a **Digital Library using Koha - A FOSS for Library Automation**
  - Migrated Data from LibSys to Koha
  - Setup Scripts to automate the Backup and Renewal process
  - The documentation of the work can be found [here](#)
- Youtube **A minimal Mobile for Youtube and Radio Streaming, React Native.**
- Radio
- Implemented a Mobile App for **Youtube** and Radio streaming in React Native
  - Streamed a specific Youtube Channel and a particular Radio Frequency
  - Managed and Automated the application builds in **Buddybuild**

- FedSME **An API Service for FedSME Mobile, Ruby on Rails.**
- Mobile
- Worked on the API for Mobile Banking Application in Ruby on Rails
  - Implemented *Maker-Checker* process for banking level transactions
  - Implemented **2-way SSL** for communicating with the bank APIs
  - Separated Admin and API Code and Abstracted important modules separately
  - Initialised Push notifications from the Backend using *Firebase*
  - Handled deployments using **Passenger** and **Nginx** on Bank servers
  - Maintained Code Quality and Security using libraries like *Rubocop, Brakeman, etc*
  - Setup CI with Gitlab CI
  - Used **Devise** to manage *Authentication* inside the application
- Chatbot **A Chat application to maintain Banking Payments, Python, Django.**
- Worked on Natural Language Processing for Chat application
  - Populated data seeds for the Chat to analyse the data
  - Worked on writing User authentication and API responses in Django
- Corporate **A Corporate Banking Engine for Companies, RoR, React, PostgreSQL.**
- Banking
- Built a separate Maker-Checker **Engine** for Corporate Banking Application
  - Build API for managing Customers and Transactions into the Application
  - Write Proper Test Cases and maintain Code Quality with libraries like *Simplecov*
  - Managed Dynamic User Profiles for Corporates to process the transaction
  - Increased application performance by using tools like *Bullet, DB Indexing, Rails Best Practices*
  - Built the Admin Dashboard using **ReactJS** which shows the statistics of the Customer with respective to his selected parameters
- Human **An Insurance Application for Employers & Insurers, RoR, PostgreSQL.**
- Benefits
- Coded a complete Rails application for linking Companies and Insurers
  - Worked on the Quotation module for Companies from the Insurers
  - Managed Authentication in Devise and HAML for Views in Rails
  - Used **Watir** library for Scrapping from the Insurance Website
  - Used **PostgreSQL** for managing the database for the application
  - Managed deployments in *Digitalocean* and *Heroku*

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## Communities

- Regional **Regional GNU/Linux User Groups, Volunteer.**
- GLUGs
- 2012 Joined Pudukai GLUG Community
  - 2013 Celebrated Software Freedom Day (SFD) in Puducherry
  - 2013 Joined Villupuram GLUG Community
  - 2014 Workshop in Villupuram on FOSS Tools & Technologies
  - 2014 Celebrated SFD in Villupuram in Government Schools
- Mozilla **Firefox Clubs, Student Ambassador.**
- 2013 Started IFET Firefox Club in College
  - 2014 Firefox Monument Recognition for Ambassador Contributions
  - 2014 Talks & Sessions in College GLUGs
  - 2014 Firefox Quizathon in College Symposium

## FSFTN **Free Software Foundation Tamil Nadu.**

- 2013 Attended a FOSS Tools & Technologies in IIT Madras
- 2013 Joined FSFTN
- 2014 Volunteered for a 5-day Workshop on FOSS Tools at IIT Madras
- 2015 Participated in Net-Neutrality Campaign
- 2015 Volunteered for a 5-day Workshop on Web Application Frameworks at IIT Madras
- 2018 Organised a 4-day Workshop on JS, React, Data Science & FOSS Tools

## Hobbies & Interests

- Reading Books
- Community Participation & Engagement
- Cycling, Blogging
- Talking & Discussing Interesting Topics
- Community Mapping & Map Making
- Attending Meetups, Meeting New People & Consistent Learning

## Languages

Tamil	<b>Mothertongue</b>	
English	<b>Intermediate</b>	<i>Conversationally Fluent</i>
Malayalam	<b>Basic</b>	<i>Talk &amp; Understand</i>
Telugu	<b>Basic</b>	<i>Talk &amp; Understand</i>
Hindi	<b>Basic</b>	<i>Read &amp; Write</i>