

# Prabhakaran Senthilnathan

☎ +91 720-021-0789 • ✉ prabhakaran9397@gmail.com  
{LinkedIn, GitHub}://prabhakaran9397

## Areas of Interest

---

Algorithms & Data Structures, Development & Operations, Web Crawling and Data Wrangling

## Education

---

College of Engineering, Guindy 2014 - 2018  
*Bachelor of Engineering in Computer Science*  
CGPA - **8.67** (upto 6th Semester)

Sri Sitaram Vidyalaya Mat. Hr. Sec. School 2002 - 2014  
*XII - Higher Secondary Examination - 94.58 %*  
*X - Secondary Examination - 96.00 %*

## Experience

---

*Summer Internship* May 2017 - June 2017  
**CaratLane Trading Private Limited**  
Optimization of web-stack and API Development for CRM Software.  
Technologies Used: Ruby on Rails, MySQL, ElasticSearch

## Projects

---

***AI ChatBot - Using Deep Learning*** Jan 2017 - Mar 2017  
A chatbot that answers like a person, on which it is trained. Developed using Recurrent Neural Network (LSTM) along with AIML module to ease the conversation.  
URL: [github.com/prabhakaran9397/cip](https://github.com/prabhakaran9397/cip)  
Technologies Used: TensorFlow (Python)

***AirLock*** Aug 2015 - Feb 2016  
An electronic pattern lock, which detects the patterns drawn in air using IR sensors. I designed the algorithm for pattern recognition and configured the REST API to make it wireless. This project has **UNESCO Patronage**.  
Technologies Used: Arduino, Ruby on Rails

## **Think42 Labs**

Oct 2016 - Dec 2016

WebApp with admin panel secured by two step verification, protection against CSRF and auto mailer.

URL: think42labs.com

Technologies Used: Flask (Python)

## **Lost+Found** (github.com/lost-plus-found)

Aug 2016 - Present

**ACOE-Result-Command-Line**: Fetches semester examination results automatically from deep web. Handled password-hashing, cookies using Python, CURL and OpenSSL.

**notify-me-telegram**: A wrapper to send text messages from the Command Line to Telegram using CURL and Telegram Bot API.

**Transfer-X**: A tool to transfer data in intra-net developed using Zip, HTTP-Server (Python) and Bash.

## **User Tracking App - Using Docker**

Oct 2016 - Dec 2016

A WebApp, hosted using docker container; which tracks the user login behaviour.

URL: gitlab.com/prabhakaran9397/ktask-17

Technologies Used: ExpressJS, Docker.

## **CLUBS & ACTIVITIES**

---

### ◦ *Student Director of Tech* at **CEG Tech Forum**

CTF is an ISO certified organization, with UNESCO patronage, that conducts CEG's official Tech Fest, **Kurukshetra** and I'm the skipper for Backend Development, Internal Applications and Tech Operations.

### ◦ *Core Member* of **CEG Linux Users Group**

An active member of CEG LUG, where I have conducted classes on GNU Coreutils, Linux basics, Python, Ruby on Rails and PGP.

### ◦ **Hackathons**

**ProbHub**: Platform for problem and solution sharing built using Ruby on Rails and Telegram Bot API in *36 hours*.

**DocBot**: AI Chat bot for medical diagnostics developed using NLP and ML in *24 hours*. (<https://github.com/cfd-17/helloworld>)

## **Technical Skills**

---

*Programming Languages*: C, C++, Ruby, Python, Java, PHP

*Markup Languages*: HTML, Markdown, LaTeX

*Frameworks*: Ruby on Rails, Python-Flask, ExpressJS

*Databases*: MySQL, MongoDB

*Tools*: GNU Coreutils, Git, Vim, Lex & Yacc