

# Lakshmi Shankarrao

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## Objective

To work as an application developer for an exciting team creating awesome products.

## Skills

- Tools HTML5, CSS.
- Frameworks Sinatra, Ruby on Rails
- Development Tools Heroku, AWS.
- IDE Eclipse, Android Studio
- Languages JAVA, Python, C, C++, Ruby, JavaScript, PHP.
- Operating Systems UNIX, Linux, Windows.

## Graduate Projects

### BART, REST Web Service, Client and User Interfaces

<http://bart.lakshmisrao.com/m/>

- A BART website that helps plan trips using the The BART API.
- Created Json APIs using PHP in the server side.
- Designed and Developed a Website that uses JavaScript to obtain information from my JSON APIs.
- Created a hybrid mobile app using PhoneGap; also using the JSON APIs.

Technologies Used: HTML, CSS, Javascript, PHP. Platform: server hosted on AWS, PhoneGap.

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### Smart Pill Cabinet

- Designed and Implemented a Smart Pill Cabinet that will not only remind people to take pills and avoid repetitions, but also remind them to order refills. Prescription adherence statistics are displayed and patient/family (optionally) is notified when dosages are missed.
- Designed and Implemented Web Portal, Web APIs and an Android Application. Information from the pill bottle and pill cabinet's ESP8266 microcontroller and distance ranging sensors were used to build an end-to-end pill monitoring system.

Language Used: Java, C++, HTML5, CSS. Framework: JSP, Arduino. IDE: Eclipse, Arduino, Android Studio.

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### Photo Notes

- An android app that allows user to make the photo captured moment more memorable with additional features like recording audio and capturing location details on a map and custom edit photos.
- Used Google location, Google map, Audio recording/playback, Photo editing and shaking using Sensors and Custom View, SQLite to build the app.

Language Used: Java; IDE: Android Studio

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### Online Bookstore Website

- Lists all books with individual book info. Provides authorised access to add,edit and delete books using a login page. And the customer will be able to search for books, add them to shopping cart, view shopping cart for list of items selected and check out the selected items.

Language Used: Ruby. Framework: Ruby on Rails.

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### University Website

Link: <https://goo.gl/H8mipL>

- The application shows list of students and information about the university. It has a login page and provides authorized users to add/delete students and edit student information.
- Slim Template, SASS stylesheets, Datamapper ORM, Thin Web Server.

Language Used: Ruby. Framework: Sinatra. Platform: Heroku

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## Independant Projects

### Your Trip Pal

Google Play Store Link: <http://goo.gl/bUXAqo>

- An android app that helps planning and organising your trip.
- Used Google APIs (Google Places, Geofencing API, Camera API, Android Geocoder, etc.), Android - Services, Broadcast receivers for notifications, SQLite, RecyclerView and ListView to build the app.
- Published the Android Mobile Application to play store

Language Used: Java; IDE: Android Studio

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### Your PA

<https://github.com/Lakshmisrao/YourPA>

- An android app that allows building a todo list and basic todo items management functionality with location-based and time-based reminders.
- Used Google APIs, Custom Adapter, SQLite, RecyclerView to build the app.

Language Used: Java; IDE: Android Studio

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## Experience

**Software Engineer, Robert Bosch Engineering and Business Solutions**  
Bangalore, India— Sept 2011 - May 2013

- Developed Software for ECUs. Responsible for requirements analysis, designing, coding, unit testing, integration, integration testing and pre-delivery activities and checks.
- Learnt ahead and educated the whole team about new technologies during start of a new project.
- Contributed to the Office monthly newsletter about interesting developments in the department.
- Organized and Performed in events for company to help motivate, educate and entertain the employees.

**Software Engineer, Robert Bosch Automotive Systems Corporation**  
Yokohama, Japan — Jan - March 2013

Responsible for DCM creation & design and testing of CAN communication system.

## Education

**Santa Clara University**

Master of Science in Computer Science and Engineering, expected Sept 2017. GPA: 3.7/4.0

**Visvesvaraya Technological University**

Bachelor of Engineering, Electronics and Communication, June 2011.

## Conferences & Competitions

- **PDA (Personal Digital Archiving) Hackathon Stanford University - 2017, 2nd Place Award: "Most innovative project relating to email management or archiving"**
- **Global Data Science Conference, March 27th - 29th 2017 Santa Clara**