

## Vidhyasagar Thirumaraiselvan

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**OBJECTIVE:** Looking for 2017 summer internship in software engineering.

### EDUCATION:

**University of California, Irvine MS in Computer Engineering GPA:3.55 /4.0 Expected: Dec 2017**

Coursework: Algorithms, Principles of Data Management, Databases and Web Applications, Info Retrieval.

**Anna University, Chennai, India B.E in Electronics and Communication GPA:8.04/10 May 2016.**

Coursework: Data structures and Object Oriented Programming, Soft Computing, Networks, VLSI.

### SKILLS:

**Languages:** C++, Python, JavaScript, HTML, CSS, Java(intermediate)

**Frameworks or Tools:** AJAX, PostgreSQL, MySQL, Git, AWS, Angular, Backbone, Ember

### PROJECTS:

#### Corporate Dashboard

Dec 2016-ongoing

Developing a dashboard application with geospatial view, key metrics view and data view with help of Front End frameworks (Backbone, Angular, Ember) where data files are created in JSON and CSV format.

<https://github.com/vidhya567/corporate-dashboard>

#### Fabflix: Scalable e-commerce web Application

Dec 2016-ongoing

Technologies: Java Servlets JSP, JavaScript, Bootstrap, AJAX, HTML, MySQL, Apache Tomcat, AWS

Developing a 3-tier web application for online movie shopping. We optimize DB operations using connection pooling, data caching. we will develop an android application and Restful APIs for fetching the data for movie search results. Finally, we scale the application using Apache load balancers and MySQL database replication.

#### Item Catalog

Dec 2016

Create a web application that queries a database for items on restaurant menu and then dynamically generates complete menu in the form of web pages and API endpoints using Object-Relational mapping and CRUD operations.

<https://github.com/vidhya567/Item-Catalog>

#### Neighborhood Map using AJAX

Nov 2016

Building a web application using jQuery's AJAX. It will return a google street view image by querying google street view API. It also gathers relevant NY times articles, Wikipedia links related to that city using JSONP request from NY times API and Wikipedia API.

<https://github.com/vidhya567/moving-planner>

#### Implementation of a Database Management System in C++

Sep 2016-Dec 2016

Building a query engine for relational operators. A record based file manager, index manger (B+ tree indexing) and a relational manger is built underneath to support the whole database.

#### Search Engine for UCI ICS Domain using Java

Dec2016-ongoing

We crawl the content on ics.uci.edu domain using crawler4j and built an inverted index over the data. We will be ranking the results based on term frequency, inverse document frequency, HTML tags, URL data and length. Finally, we build a UI to query for terms over the domain and display results according to rank.

#### Movie Website using Python

Oct-2016

Built a website using python that lists a set a movies and their trailers with help of HTML and CSS.

<https://github.com/vidhya567/Movie-Trailer-Website>

#### Tournament Results using Python DB

Nov-2016

Built a python module that uses PostgreSQL database to keep track of players and matches in a game tournament.

<https://github.com/vidhya567/swiss-tournament-database>

### EXPERIENCE:

Summer Intern in EMBKA PVT LTD, Chennai -a product based Startup Company that manufactures sensors, assembles microcontroller based projects.

April 2015-July 2015

Final Year Intern at Mini Circuits, Chennai

Dec 2015-May 2016