

Aravind Vasudevan

No. 36, SBI Colony, 3rd Cross Street, Chrompet, Chennai - 600 044

☎ (+91) 9600150559 | ✉ aravind_vasudevan@outlook.com | 🏠 aravindvasudev.github.io | 📄 AravindVasudev | 🌐 AravindVasudev

Education

B.E. Computer Science and Engineering

SRI SAI RAM INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY

CGPA: 7.34 (till 7th semester)

Chennai, Tamil Nadu

Aug. 2014 - Exp. 2018

Higher Secondary Education

NSN MATRICULATION HIGHER SECONDARY SCHOOL

Aggregate : 82 %

Chennai, Tamil Nadu

2013 - 2014

Secondary Education

NSN MATRICULATION HIGHER SECONDARY SCHOOL

Aggregate : 79 %

Chennai, Tamil Nadu

2011 - 2012

Experience

Project Trainee

ZOHO CORPORATION PVT. LTD.

- Working on migrating monolithic Struts application to Spring Rest based microservices. Acquired experience refactoring large legacy application.

Chennai, Tamil Nadu

Dec. 2017 - Present

Intern

TATA CONSULTANCY SERVICES LTD.

- Built a chatbot that serves as an interface to access complex structured data. This reduced unnecessary navigation through UI to access crucial information. This was built under the Planatics project using Rasa NLU and Python. Acquired experience regarding skills such as leadership qualities, maintaining a positive atmosphere among colleagues and being a team player.

Chennai, Tamil Nadu

June. 2017 - July 2017

Courses

Kaizen Robotics Program

LEMA LABS

- Learned various aspects of Robotics and built ten robots using Atmega 16 Microcontroller in Embedded C.

Chennai, Tamil Nadu

Jul. 2016 - Aug. 2016

Web Component Development Using Java EE

NIIT

- Completed Web Component Development using Java EE program at NIIT, which is an Oracle Workforce Development Program. Learned Java, Object Oriented Design Patterns, and Java EE and is certified by both NIIT and Oracle.

Chennai, Tamil Nadu

Aug. 2014 - Feb. 2015

Master Diploma In System Administration (MDSA)

CSC COMPUTER EDUCATION PVT LTD

- Learned various disciplines of System Administration such as PC Assembling & Trouble Shooting, Networking & OS Fundamentals, and Setting up and Maintenance of Windows & Linux Servers.

Chennai, Tamil Nadu

May. 2012 - Nov. 2012

Projects

Lendr

UNDER DEVELOPMENT

- An application to address the unnecessary expenditure on items which do not have the adequate purpose for its value.
- This application solves this problem by merging social network with the borrowing system, hence socializing borrowing.
- This provides a social platform for users to borrow and lend with a local community.

hybrid Mobile Application

Babble.gq

[HTTPS://GITHUB.COM/ARAVINDVASUDEV/BABBLE](https://github.com/AravindVasudev/BABBLE)

- A Real Time Chat Application built using Node.js, Express, Handlebars, Mongoose, Socket.io, and Passport.
- Has a built-in chatbot that fetches articles from Wikipedia for a given query if invoked with '@emma' handle.
- Image Upload functionality through web sockets.
- Native Application like interface inspired from 'WhatsApp Web'.
- Uses Twemoji to maintain consistency of emojis across platforms.

Chat Application

Nov. 2016

AUScraper

Exam Result Scraper

[HTTPS://GITHUB.COM/ARAVINDVASUDEV/AUSCRAPER](https://github.com/AravindVasudev/AUScraper)

Sep. 2016

- A simple app that generates an excel file for a range of register numbers fetched from Anna University server.
- Partially automates Student Mentor's work of collecting and recording grades.
- Backend —PHP 7, Composer, phroute (routing), guzzle (asynchronous request sender), PHPEXcel, Gulp (Task Runner)
- Frontend —SCSS, browserify, Babel, JQuery, materialize.css, Modernizr, Normalize.css

Pokedex

Pokémon Image Classifier

[HTTPS://GITHUB.COM/ARAVINDVASUDEV/POKEDEX](https://github.com/AravindVasudev/Pokedex)

Mar. 2017

- A Pokémon Image Classifier using EigenFaces(PCA) algorithm.
- A dataset of 20 pokémon, each with 30 images(600 sample images) is collected, resized to 200 x 200, grayscaled and a classifier is trained to this dataset using the dataset's Principle Components.
- The train set and the test set split is done using KFold's method(4 splits) and the classifier is evaluated using various metrics.

CheckMyResult

Result Checking Automation

[HTTPS://GITHUB.COM/ARAVINDVASUDEV/CHECKMYRESULT](https://github.com/AravindVasudev/CheckMyResult)

Nov. 2017

- A helper program that scraps and emails results from Anna University servers during high traffic concurrently.
- This program takes a JSON array of student's register number with their email ID, fetches their result and emails them. This is useful since the servers are usually overloaded during when the results come out and this program uses a retry function when the request results in an error. This works concurrently and hence is efficient when fetching for multiple students.

ClipSync

Flask Application

[HTTPS://GITHUB.COM/ARAVINDVASUDEV/CLIP-SYNC](https://github.com/AravindVasudev/CLIP-SYNC)

June. 2017

- clip-sync serves the text and images from your clipboard within the network.
- uses Flask and Flask-SocketIO to serve clipboard content, Tkinter to get clipboard content and a lightweight thread to check for changes in clipboard content.

Remoted

Socket Application

[HTTPS://GITHUB.COM/ARAVINDVASUDEV/REMOTED](https://github.com/AravindVasudev/Remoted)

Aug. 2017

- A daemon to perform system tasks such as shutdown, keypress, open links, etc via HTTP requests.
- Built using C with libraries such as winsock, windows.h, and X11(Linux) to control systems in a network remotely.

Skills

Front End Angular, JQuery, SCSS, Handlebars, Bootstrap, P5.js, AFrame (WebVR), Electron

Back End Struts, Express.js, PHP, Flask, Docker

Databases MySQL, MongoDB

Machine Learning Scikit-learn, Keras, R

Programming C, C++, Node.js, Python, Java, Go

Achievements

- Winner of 28 events in symposiums in colleges such as CEG, MIT, SSN, SVCE, etc in events such as Web Designing, Programming, Debugging, Technical Quiz, Application Development, etc
- My internally college funded project, 'Lendr', which is in development under Innovation and Entrepreneurship Development Center (IEDC), Sri Sai Ram Institute of Technology and Department of Science and Technology, India.
- Student Vice-Chairman of my department. Responsible for organizing web development event, and for designing the symposium website and print designs in two national level symposiums.