

Aravindan Sridhar

Back-end developer and Java programmer with an eye for new trends in Real Time communications, IoT and comfortable with Linux environment. Have done multiple web projects and some were integrated with IoT too. Inquisitive and an ever learning attitude.

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 github.com/AravindanSridhar

EXPERIENCE

GoWebEz, Chennai— Junior Web Dev Intern

May 2019 - June 2019

Led a Web Development intern team in creating an Interview Management system for the HR department.

System has : Live notifications, in app mailing, file handling

Stack used : PHP, MySQL and Bootstrap (LINUX ENVIRONMENT) LAMP.

Vgo Freelancing, Vellore — Back-end developer/freelancer

August 2018 - December 2019

Developed websites for two clients, one a minimalistic studio website and the other one a static website for University events.

Insta Studio - Worked with a studio for their portfolio modern website/gallery. Used material design principles and HCI rules.

PROJECTS

Real Time Road Safety Alerts— August 2018 - December 2018

A comprehensive machine learning model for providing real time road safety alerts based on accident probability and severity. The model uses a decision tree for global analysis and k-NN and weight maps for estimating accident severity. A Python/NodeJS stack was used.

Shuttle Pay — July 2018 - February 2019

A real-time contact less payment system for shuttle cabs inside VIT using **RFID** built with a MySQL database. Uses:

- Payment Terminal connected via REST API
- NodeJS transaction server
- PHP payment server

Enabled with android app payment and admin analytics dashboard designed to handle and analyse

fileR — July 2018 - February 2019

A **tag based file management** and **archiving server** based on **NodeJS** and Formidable framework. Complete file handling similar to Google Drive.

Insta-sell— July 2018 - August 2018

A NodeJS based image selling platform employing a modified LSB encoding for fraudulent detection and dispute settlement. Implements various image steganography techniques to encode secure keys in an artist's work that's unique for each individual purchase of an image.

Comparative study on Redis and MongoDB— July 2018 - August 2018

Basic CRUD operations charted for performance and availability. Moderated for column store and document store. Literature survey and paper drafted.

Remote NodeJS Development Container— July 2018 - August 2018

A **custom Docker image** created for quick and easy deployment of a remote and simple development environment for small scale projects. Image has everything from **Nodemon** to **npm** package manager and other frequently used Node modules.

EDUCATION

B. Tech. CSE-VIT, Vellore 2016-2020

CGPA : 8.03

Lakshmi Garden Matric. Hr. School, HSC

June 2015 - June 2016 - **82.66%**

SSLC

May 2013 - June 2014 - **95.4%**

VOLUNTEER WORK

Authored multiple Wikipedia pages for local communities. Organized industrial visits.

SKILLS

Stack: NodeJS Express Mongo

DBs : SQL - MySQL, NoSQL - RedisDB, MongoDB

Front-end : JavaScript, AJAX

Technologies : Docker, Firebase and MongoDB Atlas (DaaS), IoT systems architecture, comfortable with CI/CD and Linux environments.

Programming Languages:

- Java(Advanced)
- C++(Competent)
- JavaScript(NodeJS)
- PHP(Web)

Libraries & Frameworks:

jQuery | Multiple CSS frameworks | WebRTC | skLearn | Express

AWARDS

INSPIRE Awards : Won first prizes at District level and State level.

Runner up at National Level (Delhi - 2015)

CERTIFICATIONS & COURSES

Java Software Design Principles - Duke University Coursera

MongoDB for Developers - MongoDB University

The Ethical Corporation - IIT Kharagpur NPTEL

Software Engineering - MOOC by Saylor.org

LANGUAGES

English, Tamil(Native).

INTERESTS & HOBBIES

Ametuer astronomy | Photography | Cooking | Space and Defense news