

ARAVIND VASUDEVAN

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(412) 608-7267
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Education

Carnegie Mellon University

Master of Software Engineering – Scalable Systems (ongoing)

Pittsburgh, PA

December 2020

Anna University

Bachelor of Engineering – Computer Science

Chennai, India

May 2018

Experience

Zoho Corporation

Member Technical Staff

Chennai, India

June 2018 - May 2019

Implemented frameworks and libraries that break down inter-dependencies between features and aids in migrating to a [microservice-based architecture](#). Introduced various design strategies such as [aspect-oriented programming](#), [reactive programming](#), and [observable based runtime method calling interface](#).

Zoho Corporation

Project Trainee

Chennai, India

December 2017 - March 2018

Decoupled features of a [monolithic application into libraries and services](#). Built tools that automated repetitive jobs in the process. Redesigned various components in the enterprise level application.

Tata Consultancy Services

Project Intern

Chennai, India

June 2017 - July 2017

Built a [chatbot](#) that saves user time from navigating through a long set of menus and options to access work-related data. Developed [microservices](#) using docker and interfaced it with the main application using REST API.

Academic Projects

Yabber

Anna University

A real-time web-based chat application built using [MEAN stack](#). Used MongoDB with [Mongoose ODM](#) for persistence and schema definition. Used [Redis](#) for caching and session storage.

Defect Predictor

Anna University

A [machine learning tool](#) that predicts the number of bugs that might occur when that project is completed using various statistical data from the previous projects that the teams worked.

2048 AI

Anna University

An [AI solver](#) for the game 2048. Built using [expectimax algorithm](#) with a depth limit of 5 and a heuristic function to compute the best move.

Gesture Glove

Anna University

The glove [aids speech impaired](#) people with the ability [to communicate through hand gestures](#). This is achieved by capturing the hand gesture using bend sensors and accelerometers and mapping a spoken sound signal to it. The project received \$1100 funding from the Department of Science and Technology (Govt. of India) under the banner of Innovation and Entrepreneurship Development Cell.

Lendr

Anna University

A hybrid-mobile application that facilitates lending-borrowing of everyday commodities around the neighborhood. Implemented the backend of the application using [python and flask](#).

Skills

Front End Angular, JQuery, SCSS, Handlebars, AFrame (WebVR), Electron, Ionic.

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

Database MySQL, MongoDB, Redis.

Machine Learning Scikit-learn, Keras, tensorflow, R.

Programming Languages Java, Node.js, Python, C, C++, Go, Typescript, Shell Scripting.

Other Technologies Git, Mercurial, Maven, Ant, L^AT_EX.