

ARAVIND VASUDEVAN

avasude2@andrew.cmu.edu • (412) 608-7267 • aravindvasu.dev

Education

Carnegie Mellon University *Pittsburgh, PA*
Masters of Software Engineering – Scalable Systems
December 2020

Anna University *Chennai, India*
Bachelor of Engineering – Computer Science
GPA: 7.33 / 10 *May 2018*

Skills

Front End Angular, JQuery, SCSS, Handlebars, P5.js, bootstrap, chart.js, hammer.js, AFrame (WebVR), Electron, Ionic, JavaFX.

Back End Struts, Spring, AspectJ, Maven, Ant, Express.js, PHP, Flask, Docker, Git, Mercurial.

Database PostgreSQL, MySQL, MongoDB, Redis.

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

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

Experience

Zoho Corporation *Chennai, India*
Member Technical Staff *June 2018 - May 2019*
Implemented various libraries that broke down previous inter-dependencies between features. Learned aspect-oriented programming, concurrency, and Java Transaction API (JTA).

Zoho Corporation *Chennai, India*
Project Trainee *December 2017 - March 2018*
Worked on breaking down a legacy application into multiple microservices. Built tools and libraries that complemented this process. Gained experience with implementing Object Oriented Design Patterns to break down legacy features into separate services.

Tata Consultancy Services *Chennai, India*
Project Intern *June 2017 - July 2017*
Built a chatbot that saves user's time from navigating through a long set of menus and options to access work-related data. Learned building microservices using docker and interfacing it with the main application using REST API.

Academic Projects

Yabber *Anna University*
github.com/AravindVasudev/Yabber
A real-time web-based chat application built using MEAN stack. The interface is inspired from Whatsapp Web with similar emoji and image chat support.

2048 AI *Anna University*
github.com/AravindVasudev/2048
A clone of the game 2048 by Gabriele Cirulli using Angular 6. This implementation comes along with an AI solver built using expectimax algorithm with a depth limit of 5 and a heuristic function.

2048 AI *Anna University*
github.com/AravindVasudev/2048
This implementation comes along with an AI solver built using expectimax algorithm with a depth limit of 5 and a heuristic function.

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.

Awards and Honors

Innovation and Entrepreneurship Development Center
The Gesture Glove Project has been sanctioned for funding by the IEDC Committee after being recognized as a viable candidate for Entrepreneurial Expansion.

Won 29 National Level Symposium Events
Winner of 29 events in national level symposiums in colleges such as College of Engineering, Guindy (CEG), Madras Institute of Technology (MIT), Sri Venkateswara College of Engineering (SVCE), etc. in events such as Web Designing, Programming, Debugging, Application Development, etc.

