Aravind Karnam R.
Full Stack Engineer

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"Full Stack engineer with 3+ years of experience in web development, cloud computing and chatbots. Experienced in building applications for business process automation, through application of Machine learning, natural language processing and computer vision."

Skills & Expertise

</> Technical skills

JavaScript	python	HTML	CSS	Java
Angular	React & React Native	NodeJs	GIT	SQL & NoSQL databases
REST api design	Mircosoft Bot Framework, BotPress	LUIS, Dialogflow, Rasa.ai	Tensorflow, Pandas, Numpy	Micro services
Algorithm Design	Data Structures	Machine Learning	Computer Networks & Security	Design Principles

Domain Knowledge

Software Development Life Cycle	Solution Architecture	IT compliance	Cloud computing Heroku, Azure, GCP

Interpersonal Skills

Leadership	Presentation Skills	Team building

Idealforce LLC
Phoenix, AZ (March 2018 - June 2019)

Software Engineering Consultant, Contract with Judicial Branch of AZ

- Developed an AI chatbot system that can check-in jurors, respond to court summons, answer frequently asked questions about jury duty and help users complete related questionnaires. It also provides a human in the loop system for Human representatives to take over the chat from bots. The system is built using Nodejs and Angular, Microsoft bot framework, Azure cosmosDB Dialogflow platform and azure functions.

- Developed a POC to convert scanned pdf(Images that are unsearchable by text) of minute entries and case filings of family court into text through OCR (optical character recognition) and used stanford NER(Named Entity Recognizer) tagger libraries to extract information about plaintiffs, lawyers and other case related information. Technologies involved in this project include Tesseract for OCR, stanford nlp libraries for multi class text classification, named entity recognition etc and python for data pipelining.

KPMG
Sacramento, CA (January,2017 - February,2018)

Software Engineering Consultant

- Developed chatbots using Microsoft bot framework with LUIS. Responsible for Web services (REST and SOAP) in Nodejs to serve as fulfilment handlers for the bots, chat interfaces in Angular 2 and setting up ci/cd pipeline to deploy code to azure web apps.

- Developed an on-premises chat bot system using Botpress and Rasa.ai framework for NLP.

- Developed a POC to predict risk of opioid addiction amongst patients issued opioid medication using parameters such as marital status, job security, food security and neighbourhood etc. This POC is pitched to various state and local agencies to be included in their case management systems to assist case workers to coordinate their efforts. Azure ML studio was used to built this prototype and algorithm used for prediction is decision trees.

Interstate 21 LLC
Sacramento, CA (August,2016 - December,2016)

Software Engineer Intern

- Full stack developer. AngularJs, NodeJs. Worked with firebase, strongloop, heroku platform and unit testing framework Jasmine & karma.

🎓 *Education*

🏛 **California State University, Sacramento**

🎖 **Master of science**

Computer Engineering

🏛 **Sri Venkateswara University**

🎖 **Bachelor of Technology**

Electronics Instrumentation and Control Engineering

👍 *References*

Available on request.

Check my LinkedIn page for Recommendations.