

CAREER OBJECTIVES

To use my knowledge and skill to the best, thus developing my potential further and dynamically work towards the growth of the organization.

TECHNICAL SKILLS

NLU Tools	: DialogFlow, Alexa Skills Kit, LUIS, QNA Maker, Amazon Lex, Lex QNA Bot.
Web Technologies	: Node.js, Express.js, HTML, CSS
Database	: MySQL, MongoDB, SQL Server.
Softwares	: VS code, Git, Filezilla, Xampp.
Cloud platforms	: Microsoft Azure, Amazon AWS.
Github	: https://github.com/ashwinbalaji13

EMPLOYMENT

Programmer Analyst	Cognizant, Chennai	Dec 2017-Present
<ul style="list-style-type: none">Programmer Analyst (Orbit Shifter)Orbit Shifter is top 5% of new recruitments.Working in Conversational AI.Created Chat Bots using Google DialogFlow, Amazon Lex, Microsoft LUIS, Azure, Alexa Skill Kit, Lambda.Attended training session on Artificial Solutions (Teneo).		

PROJECTS

Retail FAQs ChatBot

FAQ Chatbot to handle user queries on services offered by franchise.

RESPONSIBILITIES:

- Used **Microsoft LUIS and QNA Maker** service as NLU.
- Hosted **Bot Connector code** in Azure.
- Used MS SQL to store user feedback and conversation logs.
- Built Analytics website using **Google charts**.
- Built Testing Framework for Regression testing of utterances.

Language: Node-js, MS SQL.

Lex ChatBot:

Multi-level Conversation Chatbot for answering user queries

RESPONSIBILITIES:

- Facebook Messenger** as FrontEnd.
- Lex** is used as NLU, **Lambda** as backend.
- Built middleware for lex and facebook to modify the response from lex for using messenger templates, **Places API** of Maps for validating places name, small talk using **QNA Maker**.

Language: Node-js, Mongo DB.

QSR ChatBot:

Customer can order food on voice based app on Android.

RESPONSIBILITIES:

- Used **DialogFlow** as NLU tool for the project.
- Handled the conversation flow in DialogFlow and backend part of dialogflow in inline editor.

Language: Node-js.

Software Engineer, Intern	Litz Tech India Pvt Ltd.,	May 2016 – June 2016
<ul style="list-style-type: none"> • Worked as an Android developer. • Implemented the components / modules and databases for the android app: BirthdayReminder, SchoolApp and WaterCan. • Languages : Android Studio, Java, SQL. 		

COLLEGE PROJECTS

Design of Large Scale Recommendation Using Hadoop & Spark

Built a recommendation system to predict products that the customers can like based on their amazon shopping history. Content based filtering approach was used. The results of the study were published in *Third International Symposium on Intelligent Systems Technologies and Applications (ISTA'17)* at Manipal.
Technologies Used: Java, Hadoop, Scala.

FindMyVolunteer

Worked on an android project used to connect victims and volunteers in times of natural disaster. The project involves design and implementation of the following modules:

Single page tab layout for victim and volunteer.

Help Post: In Victim tab, Victims can post requests with their location.

Help Dash: In volunteer's tab, incoming help requests are displayed. Volunteers can access victim's request and mark as help in progress once they decide to act on the request.

Technologies Used: Android, Java.

Farming Mangement System:

Farming management System Designed and implemented a web application to build a market place for farmers with the following modules:

User signin/ signup: The system supports two types of profiles farmers (typically sellers) and agents (the buyers).

Inventory management (For farmers): Farmers upload their inventory to the market place which is visible to all the agents.

Market place (For Agents): This module displays inventory of all the farmers. Agents can place a purchase request to the farmer. Farmer will be notified for every purchase request.

Purchase Review (For Farmers): lets the farmer to review all his incoming purchase request and accept them.

Technologies Used: PHP, SQL, HTML, CSS, JavaScript.

Website link: <https://ashwinachu1311.000webhostapp.com/2.html>.

EDUCATION

Bangalore, Karnataka	Amrita Vishwa Vidyapeetham	August 2013 – May 2017
<ul style="list-style-type: none"> • B.Tech in Computer Science, GPA: 6.76 		
Madurai, TN	Velammal school of excellence	April 2012 – April 2013
<ul style="list-style-type: none"> • Completed my school leaving exams with 83.6%. 		
Theni, TN	T.K.S.M Higher Secondary School	April 2010 – June 2011
<ul style="list-style-type: none"> • Finished my X exams with a score of 93%. 		

ADDITIONAL EXPERIENCE AND AWARDS

- Got Spot Award at Team Meeting for work in Lex ChatBot.
- **Third Prize, Android Hackathon:** Awarded 3rd prize in an android hackathon hosted for all the students in Amrita University, Bangalore.
- Completed A1 module for German Language.
- Participated in Android workshop.