

# Chithambara Kumar

Portfolio: [chithakumar13.github.io](https://chithakumar13.github.io)  
Github: [github.com/chithakumar13](https://github.com/chithakumar13)  
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## SKILLS SUMMARY

- **Languages:** C#, TypeScript, JavaScript, SQL, HTML, Python (Self-Learnt)
- **Frameworks:** .Net, .Net Core, Angular, Microsoft Bot Framework V3/V4, NodeJS
- **Tools:** Docker, GIT, TFS, SourceTree
- **Azure:** Function Apps, Logic Apps, QnA Maker, LUIS, Face API, Custom Vision API, Emotion API
- **DataBase:** MySQL, MongoDB, CosmosDB
- **Platforms:** Web, Windows, Mobile
- **Libraries:** React, React Native, Redux, JQuery, Jest, Enzyme, Express
- **Message Queues:** RabbitMQ, Kafka

## EXPERIENCE

- **Honeywell Technology Solutions Labs** Full Time  
Software Engineer II - MERN Stack Oct 2019 - Now
  - Involved in end-to-end development of a new product from the ground up, working in Node.js to build the React.js frontend and distributed Express.js RESTful API, backed by MongoDB.
  - Involved in the development of tools for Dashboard building with strong focus on re-usability.
  - Played a pivot role on optimising Dashboard creation process which used to take **20 - 24** weeks to **one week**.
  - Experience in event driven architecture using Kafka and RabbitMQ.
- **Mindtree Ltd.** Full Time  
Senior Engineer - .Net / MEAN Stack July 2017 - Sept 2019
  - Involved in the development and maintenance of the client's major products in the Real Estate, backed by Express and MongoDB.
  - Involved in design and implementation of Chat Bot, which is currently being used by over **500,000** users and has helped them to get their queries clarified in **few minutes** which previously used to take **2 - 3 days**.
  - Led an agile software development team of 4 engineers, involving both frontend and backend capabilities, to extend the product in both a technical and disciplinary leadership position.
- **Mindtree Ltd.** Full Time  
Software Engineer - .Net FullStack July 2015 - May 2017
  - Involved in migration of a legacy app, working in C# to build the Angular.js frontend and RESTful API, with SQL database system.
  - Introduced PDF/ Image based form recognizer which helps users with enriched user experience when interacting with the form.
  - Form recognizer has reduced users average form filling time from **45 - 60** minutes to **few seconds**.
  - Database designing and performance optimization to handle a daily volume of **100,000** database entries.

## PROJECTS

- **Emotion Based Music Player:** Detect emotion Using facial express, tone and user utterance which then is used to create playlist of song and has ability to learn based on user preference.  
**Tech:** C#, LUIS API, Python, HTML5/JS, CSS, Speech API, Spotify API  
**Demo :** [youtube.com/watch?v=UqpVLA3FQns](https://youtube.com/watch?v=UqpVLA3FQns)
- **Customizable Chat Bot:** Application which will help any one with basic Json and Javascript knowledge to develop chat bot faster. Chat bot can be fully customized by few configuration changes to match the website styles and domain requirements.  
**Tech:** React, Redux, HTML5/JS, TypeScript  
**Demo :** [youtube.com/watch?v=qX-U5i8Piw](https://youtube.com/watch?v=qX-U5i8Piw)
- **HTML Generator From Wireframe:** Takes Wireframe as an input and converts it into an html page using a custom layouting algorithm which uses bounding boxes from the custom vision api response to position the element.  
**Tech:** C#, HTML5/JS, Custom Vision API
- **Attendance System:** Detect user's face and add appropriate time in and time out of an employee and can be easily extended to be used for authorization and access control system as well.  
**Tech:** C#, Face API

## HONORS AND AWARDS

- Awarded **Top Performer Of the Year** for the project on Form Recogniser - May, 2018.
- Awarded **Top Performer Of the Year** for the project on Chat Bot - May, 2019.
- Named Among **Bronze Pillars of the Year** for consistently performing - Aug, 2019.

## EDUCATION

- **Panimalar Engineering College** Chennai, India  
Electrical And Electronics Engineering Aug 2011 - May 2015