



PULAK MITRA

Software Engineer

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PROFILE

Software Engineer with 4.3 years of experience in backend and frontend development. I have had the opportunity to work with multiple clients on various web applications and Chat Bots development project, delivering the best and most efficient results. I look forward to challenging myself and technically growing as a software developer. I had worked on health-care related Chat Bots, web applications, web services and FHIR APIs with involvement in project coordination, project planning, requirement analysis, and client interactions.

EDUCATION

- **Post Graduation Diploma in Advance Computing (PG-DAC)**

Know-IT

Post Graduate, December 2018

CDAC

Pune, Maharashtra

- **Bachelor of Engineering / Bachelor of Technology, Electronics and Communications Engineering**

Bhai Gurdas Institute of Engineering and Technology

Graduated, August 2017

PTU

Sangrur, Punjab

- **Diploma in Electronics And Tele-Communication Engineering, Electronics And Tele Communication Engineering**

Dhalai District Polytechnic

Completed, June 2014

TBSE

Agartala, Tripura

WORK EXPERIENCE

February 2019 - Current

Software Engineer

Smartek21

Pune, Maharashtra

- **Project 1: Intellitek Health** (Currently working)
- **Project Type:** Chat Bot, Virtual Assistant
- **Technologies:** NodeJs, ExpressJs, Angular, FHIR, MongoDB, NLP, Swagger api doc.

Intellitek Health is a hybrid Health care application that is based on different modules. modules are **Registration**, **Appointment Management**, **Smart AI Dictation**, **Virtual Consultation**.

The main purpose of this project is for first-time admin register patients with the registration bot. Then the user can login with their credential and book an appointment according to time and provider availability. Once the appointment is booked, he or she will get a mail with appointment details and a joining link. So by using the link, patients can start a consultation with their provider, and at the end of conversation, they will receive conversation history and notes.

- **Project 2: MyGoDoc**
- **Project Type:** Web Application
- **Technologies:** Javascript, NodeJs, ExpressJS, MongoDB,Angular,NLP, Swagger api doc.

MyGoDoc is a mobile and web based health care application developed using Angular and Node.js APIs. It has three defined roles: administrator, provider, and patient. The administrator can create separate dashboards for user account maintenance, payment processing, reporting, and overall Web App performance. Integration with the Stripe payment gateway for credit card payment processing.

Here, administrators can create a lobby for a provider and schedule an appointment with a patient. Here, after the patient logs in, he or she can see the provider's availability and connect for video consultation. Also, the patient and provider can type messages, share pictures and reports.

- **Project 3: IACAD**
- **Project Type:** Chat Bot
- **Technologies:** NodeJs,ExpressJs,MySQL,NLP.

IACAD is a chatbot project, developed using Angular's Wbchat-UI and Node.js's backend and APIs. In this project, we have added features like multi-language (English, Arabic and Spanish) detection and replaying according to the detected language. Admins can only add questions and answers to the NLP engine. Here we are showing a suggestion list to the user while they are typing and based on matching sentences, we are showing answers.

SKILLS

- Frontend - **Angular, Javascript, Bootstrap, HTML5, CSS.**
- Backend - **NodeJs, ExpressJs, NPM, REST** Web services.
- Generate API documentation using **SWAGGER**, apidoc generater.
- **MongoDB, MySQL, FHIR.**
- **Git, NLP, Speech Recognition, OCR.**
- Project management tools- JIRA.

Declaration

I, Pulak Mitra, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Pulak Mitra