

Indra Kumar Malav

BACK-END ENGINEER

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Education

Indian Institute of Technology, Jodhpur

Jodhpur, Rajasthan

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING, CGPA: 6.51/10.0

May 2019

Publication

Developed Leave Application using Blockchain Smart Contract

Bengaluru, India

11TH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS AND NETWORKS(COMSNETS)

Jan 2019 - PRESENT

- Publisher: IEEE

Achievements

11th International Conference on Communication Systems and Networks(COMSNETS)

- Awarded with Best Research Demo

ACM-ICPC 2017

- Selected for Amritapuri site by securing 3rd Rank among 20+ teams in the institute
- Secured Rank **103** among 250+ teams in ACM-ICPC

Experience

Docsapp

Bengaluru, India

BACK-END ENGINEER

July 2019 - PRESENT

- Developed MarketPlace model for labs which enables package data to be more configurable using CMS
- RestAPI integration for 3rd party vendor, Redis caching for creating Leads using Android events and pushing those leads to Ameyo for calls
- Built a proper notification channel(sms, email, inchat, push) to regularly update the user
- Created and handling CMS for labs order management

DocketScienceLLC

Learning Dollars(Remote)

SOFTWARE DEVELOPER

May 2019 - June 2019

- Built a pipeline that collects legal documents from two sources and stores them in a NoSQL DB
- Used the MongoDB for managing the database. The document sources were the CourtListener API and the Harvard Caselaw Access Project API
- The pipeline was built in a way that allows it to be rerun periodically to pull new, updated documents into the database (Cron job to fetch and insert latest data into DB)

Projects

Built Labs MarketPlace Model

DOCSAPP

- Built a MarketPlace Model where each lab package is configurable based on pincodes, vendors, time
- Architecture design, Development, testing were done for given product requirements
- Client Side APIs and CMS for data handling was created. Redis caching was done for optimizing APIs

Communication Channel

DOCSAPP

- Built a notification channel for 5 different mediums(SMS, Email, WhatsApp, Push, InChat)
- Integrated all notification micro-services in labs micro-service to provide regular updates to user
- Used SQS, Lambda for triggers and GCM, NodeMailer, Exotel, Clevertap, WhatsApp API for integration

Developed Leave Application using Blockchain Smart Contract

IIT, Jodhpur

GUIDE: DR. SUMIT KALRA

Aug 2018 - Dec 2018

- Developed smart contract application for Leave Approval using solidity, Ethereum and Web3JS
- Proposed a new architecture for creating our applications which is a Decentralized architecture leveraged using Blockchain technology coupled with centralized architecture which is a classic client/server architecture with a Blockchain backend

Sign language Recognition

IIT, Jodhpur

GUIDE: DR. CHIRANJOY CHATTOPADHYAY

Jan 2017 - May 2017

- Built a C++ program using OpenCV library to recognize hand gestures and convert them into corresponding plain text
- Input was taken from live webcam and output was produced on screen as plain text and data set of 1000+ images was created for the same

Financial Grant Management System

IIT, Jodhpur

GUIDE: DR. CHIRANJOY CHATTOPADHYAY

Jan 2017 - May 2017

- Developed an application for requesting grants and managing records of different types of grants provided by the Institute using HTML, CSS, PHP, MySQL
- The stages involved were Documentation, Designing, Coding, Testing and Improvement

Skills

Languages NodeJS, C++, Python, MySQL, Solidity, HTML, CSS

Frameworks Express, AWS(SQS, S3, Lambda, RedShift, EC2), Sequelize, OpenCV, Bootstrap