

# Manik

✉ | in | +91 8283818479

## EDUCATION

### **BITS PILANI, PILANI CAMPUS**

B.E. IN ELECTRICAL AND  
ELECTRONICS ENGINEERING

July 2019 | Pilani, India

Cum. GPA: 8.03

### **MOUNT CARMEL**

SCHOOL

Grad. March 2015 | Chandigarh, India

12<sup>th</sup> - 94.6%

### **SACRED HEART CONVENT**

SCHOOL

Grad. March 2013 | Malout, India

10<sup>th</sup> - 90.67%

## COURSEWORK

### **UNDERGRADUATE**

Data Structure and Algorithms

Object Oriented Programming

Neural Networks and Fuzzy Logic

Operating Systems

Computer Programming

Machine Learning

Discrete Mathematics

### **MOOCS**

- NodeJS Developer Course
- Spring Framework for Beginners

## SKILLS

### **PROGRAMMING**

JavaScript • Java • Python • C

### **FRAMEWORKS**

NodeJS • React • Redux • Express • Spring  
• F0

## EXPERIENCE

### **PAYPAL INDIA DEVELOPMENT CENTER | SOFTWARE ENGINEER 1**

August 2019 | Chennai, India

- Worked on redesigning the resolution center(inquiry phase) of the website
- Worked on developing the UI and flows for a new dispute option. The aim was to get the user to file the correct type of dispute. Experimentation is live now.
- Worked on migrating Docmangerserv to Doccentralapiserv. Also added keymakerclientapi for authentication purpose.
- Worked on building an IE test suite for running the functional test cases. Used NodeJS' mocha, chai libraries for writing UT's.

### **SAMSUNG R&D INSTITUTE | SOFTWARE ENGINEERING INTERN**

Jan 2019 – June 2019 | Bangalore, India

- Worked on developing an android application using the Google's Geofencing API which will then be used to notify people whenever they enter a 4/5 G area from a lower G area.
- Worked on a android helper app which will allow the company's employees to calculate throughput and various other parameters for given configurations of the LTE/NR network
- Worked on improving an existing application's performance by adding concurrency through multi-threading in it.

## PROJECTS

### **PROOF OF SHIPMENT IN A SINGLE CLICK | PYTHON**

Jan 2020 | PayPal India Chennai, India

- The project involved building an application which takes a receipt uploaded by the user and extracts the Shipping company as well as tracking number from it.
- Uses a python's tesseract library to convert image to text. Information is then parsed by using regex.

### **SIGNALING MESSAGE PARSER | JAVA**

April 2019 – June 2019 | SAMSUNG R&D INSTITUTE, Bangalore, India

- The project involved building an application which takes a mobile log in a text file format and parses it. And hence extracts useful information from it.
- Uses a Jtree to represent all the information extracted from the logs
- Also extracts out the timeline of various events that took place in the log

### **MOVIE INFORMATION EXTRACTER AND SUBTITLES**

#### **DOWNLOADER | USE OF API'S AND JAVA FX**

June 2018 – July 2018 | BITS Pilani, India

- The application has been build on JavaFX platform using SceneBuider for the user-interface.
- The application uses OMDB API for extracting movie information by its name.
- The JSON text has been converted to JAVA objects using GSON library.
- It uses OpenSub API for downloading subtitles for the movie

### **HANDWRITTEN ENGLISH ALPHABET AND NUMERAL**

#### **RECOGNITION | NEURAL NETWORKS**

Jan 2017 – May 2017 | BITS Pilani, India

- The project involved building a Convolutional Neural Network over pretrained model VGG16(Transfer Learning).
- The project was build using python library- Keras. It also used Numpy for basic operations. The software was 83% accurate.