

# Manju Malateshappa

Mail:manjum@sfu.ca | LinkedIn:manju-malateshappa | Github:manjum2050 | Phone:6047218984

## EDUCATION

### MS IN COMPUTER SCIENCE (BIG DATA)

SIMON FRASER UNIVERSITY  
BURNABY, CANADA  
2019-present

Big Data, Data Visualisation, Machine Learning, Neural Networks & Deep Learning

### BE IN COMPUTER SCIENCE BANGALORE UNIVERSITY

BANGALORE, INDIA  
2009-2013

Data Structures & Algorithms, Software Design & Engineering, Object Oriented Programming

## SKILLS

### PROGRAMMING

•Python•JavaScript•Java•Scala

### WEB TECHNOLOGIES

•ReactJS•Node.js•HTML•CSS

### CLOUD TECHNOLOGIES

•AWS EMR•Docker•Kubernetes  
•OpenShift

### BIG-DATA TECHNOLOGIES

•Apache Ant•Apache spark•Kafka  
•Map Reduce•HDFS.

### DATABASES

•SQL (PostgreSQL & MySQL) •NoSQL (Cassandra & MongoDB)

### MACHINE LEARNING TECHNOLOGIES

•TensorFlow•PyTorch•Scikit-learn

## COURSEWORK

### COURSERA

Neural Networks and Deep Learning by deeplearning.ai

## DATA SCIENCE

## PUBLICATIONS

Automatic land use/land cover classification using texture and data mining classifier:

<https://ieeexplore.ieee.org/abstract/document/6718977?reload=true>

## DATA SCIENCE PROJECTS

### INCREASING THE BOOKINGS FOR HOST LISTINGS ON AIRBNB WEBSITE USING BIG DATA TECHNOLOGIES(AWS) AND MACHINE LEARNING PIPELINES

Nov 2019 - Dec 2019

- Performed **ETL** on the Airbnb dataset which was obtained using web scraping and stored it into **AWS S3** Bucket.
- Used ML models and NLP library '**textBlob**' to find out the important feature for the data analysis.
- Performed analysis on data to identify criteria to become super host as well as to improve the bookings .

### FACIAL LANDMARK DETECTION MODELS USING ENSEMBLE OF REGRESSION TREES WITH APPLICATIONS

Nov 2019 - Dec 2019

- Used **dlib**, **OpenCV** and python for creating the model.
- Created a **Facial Swap Software** using this model and also extended this model to swap the face in the video frames.
- The test error (sum of squares) of the model was 8.57 which was very close to the error of the industry-standard model used by **dlib** which has an error of 8.27

## EXPERIENCE

### SOFTWARE ENGINEER | NAGRA KUDELSKI

Jan 2013 - Aug 2019 | Bangalore

- Experienced in all project phases using **Waterfall and Agile** Methodologies.
- Designed and developed applications (iOS/Android/website/STB) in **JavaScript** , **ReactJS** and **Redux** .
- Performed unit testing in **Python** and automated testing using **Selenium** for web applications.
- Provided solutions for various performance issues involving Boot-up, UI rendering and navigation between the screens.
- Interacted with clients/stakeholders and gathered business requirements.
- Conducted feasibility study, proposed solutions, wrote technical specifications.
- Ensured smooth delivery of the project before the deadline with quality.

### MANAGING DIRECTOR | OBEZOD SERVICE APARTMENT

Apr 2016 - Aug 2019 | Bangalore

- Started a hotel - Obezod service apartments with the personal investment of USD 6000 and provided employment for 4 people.
- Garnered positive returns ( turnover – approximately USD 21000 per year ) within a year by adopting successful business strategies.