**Rakshit Parashar**

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**VISA Status – Green Card**

# Education

**Bachelor of Technology** (Computer Science) – The Northcap University, India 2016- 2020

# Internship and training

**Sopra Steria, Noida, India—Externship** June 2019 - July 2019

* Developed Face Detection using HaarCascades. Machine learning based approach where a cascade function is trained from a lot of positive and negative images. It is then used to detect objects in other images.
* Developed Smile level detection using OpenCV

# **Project and Experience at University**

**Malware Analysis (Python)**

* Developed a malware detection Website using Flask, HTML,Bootstrap, CSS, as front end.
* Used PE files entropy calculation to build the model.Applied various Decision making algos and achieved accuracy of 99% from Random Forest.
* Used API requests to upload / send file for Analysis.
* Characterized PE files as 'Legitimate' or 'Malicious

**House price predictor (Python)**

* Analyzed data set using Pandas module in scikit learn
* Trained models using regression techniques including linear regression, Decision Tree
* Predicted test data set using regression models.

**Personal Blog Web Application (Python)**

* Built a blog web application for blog users to create, edit and manager blogs using Flask.
* Added features like SignUp/Login, Profile Info/Picture , Pagination, Pass reset.
* Provided CRUD functionality for blog posts.
* Provided blog users with a backstage system to manage registered visitor accounts and their comments
* Database : SQLAlchemy.
* Deployed app to Linux server and enabled HTTPS , SLS/TLS

**Restaurant reservation system (Python)**

* A voice recognition reservation program based on cuisine, price, location, rating using Python Speech Recognition
* Follows the complete spoken dialog architecture – Natural language understanding , dialog manager.

**Personal Blog Web Application (Python)**

* Built a blog web application for blog users to create, edit and manager blogs using Flask
* Provided blog users with a backstage system to manage registered visitor accounts and their comments.
* Database : SQLAlchemy

**Library Management System (Java)**

* Built library management software where admin can add/view/delete librarian and librarian can add/view books, issue, view issued books and return books.
* Front end: Java Swing
* Backend: MySQL

**ChatBot (Python)**

* Application based chatbot using NMT model and Tensorflow
* Performed Extract, Transform, Load of around 27 million comments and their replies on Reddit app and used SQLite Database for Querying.
* Made use of bidirectional recurrent neural networks (BRNN) for better descriptiveness.
* Used BLEU "bilingual evaluation understudy, “and Perplixity to

determine the overall effectiveness of a translation algorithm

# Technical skills AND COMPETENCIES

**Skills**

* Languages- C, C++, Python, Java, Android Programming, HTML, Javascript
* Databases- MySQL, SQLite.
* OS- Windows & Linux.
* Tools- AWS, VScode,Git, Eclipse, Intellij, Android SDK, Firebase, Jupyter Notebook

# Language

English(native), Hindi (native) and Spanish (Basic)