Shubham Chandel

CONTACT

E-mail: shubham.zeez@gmail.com
Website: https://github.com/sksq9
Phone: +91-8628890396

EDUCATION

B.Tech. (Computer Science Engineering) (Aug 2013 — Present)
Indian Institute of Technology, Mandi
CGPA - 8.62

12th CBSE (Non-medical) (Mar 2013)
P.K.R Jain Sr. Sec. Public School, Ambala
Percentage - 95.4%

10th CBSE (Mar 2011)
P.K.R Jain Sr. Sec. Public School, Ambala
Grade - 10

TECHNICAL
SKILLS

Proficient Languages: Python, JAVA
Other Languages: C, C++, Scheme, PHP, JavaScript
ML Frameworks: Scikit Learn, TensorFlow, Word2Vec, Weka
Web Technologies: Flask, Bootstrap, Node, AngularJS, Ionic
Database: SQL, Neo4J, MongoDB
Distributed Computing: Hadoop, Spark, OpenMPI
Other Skills: Android Development, Cloud Computing, Raspberry Pi, Photoshop

WORK
EXPERIENCE

Internship, Flipkart India (June 2016 - August 2016)
Return reason analysis and prediction
Given user return reviews, extracted best set of return reason per category, identified incorrectly annotated returns and predicted new return comment. Used Word2Vec for analysis of text in 300D space.

Internship, Niki.ai (June 2015 - August 2015)
Chat based assistant
Developed NLP module to extract information from raw user sentences. Further the pipeline was connected to an EC2 instance on cloud with seamless integration to the existing chat bot.

ACADEMIC
PROJECTS

Facial Key-points Detection & Recognition (Aug 2016 - Present)
Detection and recognition of *Human Faces* in context of group-video conferencing, recording meetings, class-activities. Used for the purpose of automating the attendance process.

Social Media Analytics (Mar 2016 - May 2016)
Detection of an uncalled situation using *Twitter Streaming*. Distributed the data across number of Hadoop nodes to gain performance. An AWS node was used 24/7 as a data collection platform.

Neo4J Performance Analysis (Mar 2016 - May 2016)
Analyzed panama papers on Neo4j to test performance metric of database. Gained insightful results on both performance and the leak itself.

File Tone Transfer Protocol (Sept 2015 - Nov 2015)
Used the power of audio to transfer files between different machines. File was converted to sound and then frequency modulated to transfer to all devices within ear-shot.

The Living Door - IoT Product (Apr 2015 - May 2015)

Developed an IoT product that could be controlled with an android application. A home security door, that senses the motion of visitor and inform the owner via the android application.

Team Co-ordinator Design Practicum.

SwapIt - Online Marketplace(Sep 2014 - Oct 2014)

Developed an on-line marketplace where users can exchange(swap) old goods in a Barter fashion.

Website - *http://students.iitmandi.ac.in/~shubham_chandel/swapIt*

NON ACADEMICS PROJECTS

Deep Q Network - Flappy Bird (May 2016 - June 2016)

Trained a Deep neural-net using Q-Learning algorithm to play flappy bird with superhuman performance based on *Mnih, Volodymyr, et al. "Playing atari with deep reinforcement learning".*

Customer Perception Business Intelligence (May 2016)

Developed a business dashboard for small and medium scale businesses to analyse customer's perception. Sentiment analysis used to generate temporal and spatial data from multiple sources allowing the businesses to do a feature based analysis of one's business.

Github - *https://github.com/sksq9/prodigy*

Tinder for Product Hunt (Dec 2015 - Feb 2016)

Developed android app with Tinder interface to browse daily Product Hunt products. Implemented using Ionic framework.

Himachal Police Android App (Aug 2015 - Present)

Developed HP Police application for online centralized storage of data. Vehicle theft and other *challans* throughout the state are recorded in the application by officers at all *Nakas* and stored online.

King's Bot (June 2015)

Developed an AI bot which analyzed the moves of opponent & moved in such a fashion to encapsulate the adversary inside a wall. The web application was developed in python.

SAC Website (May 2015)

Developed student's gymkhana website. Implemented in Python's web framework Flask.

Github - *https://github.com/sksq9/SAC-Website*

NetConnect - Data on fly (Jan 2015 - Feb 2015)

Developed an android application for people in regions with the sparse internet connection. The android application allows the user to mark preferences and data will be downloaded as when net connected.

Github - *https://github.com/sksq9/NetConnect*

Team leader Inter IIT '15, KGP.

POSITION OF RESPONSIBILITY

Teaching Assistant: Large Application Practicum (Aug 2016 - Present)
Club Coordinator: Mobile Application Development Club (May 2015 - May 2016)
Teaching Assistant: Database Practicum (Aug 2015 - Nov 2015)
Team Coordinator: Design Practicum (May 2015 - June 2015)
Team Head: 3rd Inter IIT TechMeet '15 (Dec 2014 - Jan 2015)
Design & Web-Development Coordinator: Exodia '15 (Jan 2015 - Mar 2015)