KETUL R GUPTA

Mobile: 8805145611 | ***Email***: ketulgupta1995@gmail.com |
Website: https://in.linkedin.com/in/ketul-gupta-912862113 , https://github.com/ketulgupta1995/
DOB: May 08, 1995 ***Address***: E204, Yashodhan Housing Society, Kondhwa, Pune-411048

SUMMARY

Experienced in Java, Python, strong background in Big Data, Machine Learning, NLP and all stages of web project development.

SKILLS

- **Programming Languages**: Python (pandas, xgboost, scikit, scarpy, nltk, jupyter, pytorch), Java8, JavaScript, C/C++
- **Core Concepts:** OOP concepts, Data structures, SQL, MongoDB, and Linux shell.
- **Advanced:** NLP, Machine Learning and Text mining techniques. **Logstash**, Big data Technologies (**Kafka, HDFS, Spark**), CoreNLP, Extract Transform and Load pipelines, Git/SVN**.**

WORK EXPERIENCE

EQ TECHNOLOGIC

Software Engineer, Pune July 17 - Present.

- Working on creating **streaming adapter** for Data operation using **Spark, Apache Calcite** for eQ Products.
- **POC for Log Analysis Framework** using Logstash, Kafka, HDFS, Spark, Advanced SQL(Windowing)
- **Workflow designing, backend and frontend development** in Spring MVC, backbone.js,marionette.js, bootstrap for: Web Application that gives **modern UI for legacy systems** and also **migrates data**, Web Application to **design recipes for Food Scientists**, In-house online Q and A Web App.
- Completed **XML plugin**, **IBM Maximo connector** for eQ products right from Research and Development phase to implementation in Java.

IKNOWLATION RESEARCH LABS

Project Intern (Final Year Project), Pune Aug 16 – Apr 17

- Successfully designed and developed **context aware book recommendation system** using machine learning, NLP and text mining techniques in Python.
- General text recommendation systems use word frequencies and don't consider semantic meaning also suffer from cold start to overcome this used Latent Dirichlet Allocation (**LDA**) topic model with **Wordnet** and **Word2Vec** for getting semantic meaning of words.

INDIACOM PRIVATE LIMITED

Software Intern, Pune May 16 – July16

- **Augmented reality project** using three.js and JSARucoToolkit. W**eb scraping** in python scrapy.

PROJECTS

Live App: http://image-classifier-ketul.herokuapp.com/ Classifies Images into FMINST Classes, user can upload images and try out. Worked on complete cycle from experimenting with different models, designing UI , deploying it on heroku.

PRUNING NEURAL NETWORK MODELS IN PYTORCH

Dec 19

Created large neural networks and compared results with **(unit/neuron pruning) and weight pruning the model** generated. Observed **significant reduction in computation and space requirement** for Fashion MNIST dataset without compromising accuracy. Link to Code and Results(Github)

ONLINE NEWS GATHERING AND ANALYSIS

June 15

Scraped NEWS data from various news websites and **classified these NEWS** into various categories **using NLP.**

ACADEMICS

PUNE INSTITUTE OF COMPUTER TECHNOLOGY, SPPU

Pune

*Bachelor of Engineering (Computer Science), **73.5%*** June 2013 – May 2017

- Participated in Robocon(worked with OPENCV and Kinect to detect badminton shuttle and its position)
- IEEE student chapter member, did web development and android app for college fest, Participated in Abhivyaktee(Dance Fest),Impetus and Concepts(B.E. Project Competition) and various coding competitions.

HSC 80.50% SSC 90.55%

- Learnt **German Language** for 5 years.

OTHER ACTIVITIES

- **Successfully conducted 3 Days "Data Science using Python" Workshop at D.Y. Patil College of Engineering, Akurdi, Pune organized by University of Pune for 50 students**. (March 2020)
- Contributed to **OpenSource Projects:**
  Machine Learning Glossary (Project Link)(Jan 2020-Present), Python wrapper for Stanford CoreNLP (Project Lnk) (March 17)
- Presented at PyData Pune Meetup on **Exploratory Data Analysis and Visualization**. Link to github page (May 18)
- **Completed Machine Learning by Stanford University on Coursera by Andrew Ng**. Link to certificate (Jan 16)