Luvpreet kaur

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**Profile Summary**

Experienced Machine Learning Developer with a demonstrated history of working in the information technology and services industry. Skilled in Python, Machine Learning, Deep Learning , Natural Language Processing, C++. Strong information technology professional with a Master of Technology (M.Tech.) focused in Computer science with gold medal. Experienced in developing machine learning models, deploying it on cloud platforms.

**Education**

**March 2018 – May 2018**

Short – Term Course on Data Science From Sgraph Infotech Pvt. Ltd, Bengaluru.

During Training Learned:-

* Python – Interpreted Programming Language.
* Statistics and Linear Algebra.
* Data Mining and Feature Selection
* Machine Learning Algorithms (Supervised and Unsupervised Learning)
* Natural Language Processing
* Deep Learning

**Aug 2010 – Feb 2014**

M.tech (Computer Science) from SBSSTC, Punjab with 80%.(Gold Medalist)

* Did dissertation on topic:- Emulation of DdoS Defenses Using Deter TestBed.

Created an environment for experimentation on DETER Testbed with different experimental scenarios including legitimate traffic and attack traffic with defense have been created. The contribution to work is script in python for detection and mitigation of DoS attack.

* Worked on Python, Deter- TestBed, Snort- IDS.

**June 2006 – June 2010**

B.Tech(Computer Science) LLRIET, Punjab with 79.69%. (2nd Topper in 3year)

**Experience**

**June 2018 – till now**

**Machine Learning Developer**

**Paskon Information and Management Pvt. Ltd**

**Projects**

* Developed Resume parser using NLP.
* Classifying expense bills into categories using SAP Leonardo.
* Conversational UI / Making of Chatbot using Dialogflow/RASA, ML- Engine, SLACK Apps
* Extraction of Data from RAIN KING Documents for marketing.
* Developed keyword extraction tool in python.
* Currently Working on Resume parsing and analytics

**Dec 2012 – Dec 2013**

**Assistant Professor**

**Global Institute of Management and Emerging Technologies Punjab.**

Subject Taught:- Object Oriented Programming, Software Engineering, Design and Analysis Algorithms, Python, Artificial Analysis, Linear Algebra

**Aug 2010 – Dec 2012**

**Lecturer**

**Shaheed Bhagat Singh State Technical Campus, Punjab**

Subject Taught:- Object Oriented Programming, Theory of Computation, Database Management System, Design and Analysis of Algorithms.

**Skills**

**Programming Languages:-** Python, R, C/C++.

**Python Libraries known:-** NumPy, Pandas, Matplotlib, Scikit Learn, Seaborn, Keras, NLTK, Tensorflow, Keras, Pytorch, Json, Flask.

**Databases:-**POSTGRE-SQL,Excel, SQL

**IDE's:-** Anaconda ( Jupyter Notebook, Spyder), Pycharm.

**REST API's:-** GET, POST Call creation in FLASK python Library.

**Machine Learning Algorithms known :-** Supervised Learning (Linear Regression, Logistic Regression, Random Forest (CART ), Naive Bayes, Support Vector, K-nearest Neighbor)**,** Apriori , Association Rule

**RestFull :-** OpenApi (Swagger), Flask Micro-Framework

**ChatBot Platforms:-** Dialogflow, RASA

**Erp Systems:-** Odoo, Openbravo

**Web development Framework:-**Flask

**Presentation and Visualization Tool:-** Power Point, Microsoft Power BI

**Operating Systems:-** Windows, Linux, Ubuntu 16

**Cloud PlatForms Worked On:-** Google Cloud Platform, Amazon AWS Beanstalk, AWS Lambda

**Non-technical:-** Communication, Presentations, Public speaking.

**Assignments in Machine learning, Deep learning and Natural Language Processing**

* Predicting survival of passengers on TITANIC DATASET using SKLEARN
* Predicting on which project, activity and how many hour person will work based on his previous history using SKLEARN (RANDOM FOREST)
* Predicting weather is selected or not using SKLEARN (NAIVE BAYES)
* Resume Summary generation using NLTK
* Predicting Handwritten digits using MNIST Dataset using KERAS
* Sentiment Analysis using Natural Language Processing using NLTK
* Text Classification on 20FETCHNEWSGROUP using SKLEARN, CNN, RNN
* Predicting image given is of cat or dog using keras

**WorkShop and Courses**

* Attended Workshop on Professional etiquettes.
* SAP LEONARDO MACHINE LEARNING FOUNDATION course cleared with 63.3%
* Attended Google Cloud OnBoard on March 28, 2019

**Research Papers**

* Emulation of Snort on Deter Testbed in ijarcs.
* Installation of Intrusion Detection System Snort on DETER TestBed in International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 3, No. 6, June 2013.

**Awards**  Best performer award in 2019 for Recruitment Analytics Project.