Puneet Saini

Systems Engineer
(Data Engineer)
Tata Consultancy Services Ltd.
Bengaluru

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Links

Github:// **puneet29**
LinkedIn:// **geekpuneet**

Skills

PROGRAMMING
Python, Scala

FRAMEWORKS|TOOLS|LIBRARIES
Spark, Hive, Pytorch, Numpy, FBProphet,
Pandas, Matplotlib, Plotly, OpenCV,
Seaborn, Spark, Hive, AWS EC2, AWS S3

DATABASES
Oracle SQL, MySQL

WEB TECHNOLOGIES
Flask, HTML, CSS, JS

OTHERS
Markdown, Git, Vim, PuTTY,
IntelliJ Idea, Notepad++, Jira,
Confluence, Jupyter Notebook,
Adobe Illustrator, Photoshop

Coursework

Data Structures
Algorithm
Neural Networks
Discrete Mathematics
Operating Systems
MySQL
Data Analysis

Education

2016-2020
B.TECH. CSE
Guru Nanak Dev University, Amritsar
CGPA : 8.73/10

2015-2016
INTERMEDIATE
Bhavan's SL Public School, Amritsar
Percentage: 91.8%

2013-2014
HIGH SCHOOL
Bhavan's SL Public School, Amritsar
GPA: 9/10

Experience

2020-NOW **TCS, Bengaluru**   **Systems Engineer**
- Developing data pipelines in Spark Scala.
- Automating the testing process to increase efficiency by almost 80%.
- Analysis of data to create dimension and fact tables.
- Creating shell scripts to automate recurring jobs.

Scala, Spark, Hive, Oracle SQL, Jira, Unix

2020-2020 **Stylumia**   **Product Engineering Intern**
- Performing Exploratory Data Analysis.
- Developed a high level data visualization library to improve efficiency by 60%.
- Predicting sales and adequate inventory flow.
- Building and optimizing machine learning models.

Python, Pandas, Numpy, Scikit, Pytorch, Plotly, Jupyter, FBProphet

2018-2018 **Redinmex, Mexico - Remote**   **Freelancer**
- Gathering appropriate dataset to work on.
- Creating visualizations for end-user.

Python, OpenCV, Jupyter, VastAI, Pytorch, Numpy, Pandas

Achievements/Awards

20XX-NOW **Competition**   **Status**
Description
20XX-NOW **Competition**   **Status**
Description
20XX-NOW **Competition**   **Status**
Description

Side Projects

2020-2020 **Tic Tac Toe RL**   **Python, Numpy, Pygame**
Tic Tac Toe reinforcement learning model using Deep Q Learning. Also included the minmax model to train Q learning model. Made the GUI in Pygame.

2019-2019 **Fast Artistic Style Transfer**   **Pytorch, Flask, AWS S3, AWS EC2**
A web app made using flask which uses pretrained models to stylize your image with selected style image. Implemented using Johnson et al. paper.

2019-2019 **Intel Scene Classification**   **Pytorch, Jupyter, Flask**
Scene Classification model for Analytics Vidhya's Competition. Hosted the app on Heroku.

2019-2019 **Skin Cancer Classification**   **Pytorch, Jupyter**
Skin cancer classification model which classifies three types of skin cancers.