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, 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

Certifications/Courses

SAFe 5 Practitioner
Neural Networks and Deep Learning
Convolutional Neural Networks
Apache Spark with Scala
Data visualization: Storytelling
Pytorch Scholarship Challenge

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. Increased efficiency by 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

Positions of Responsibility

2018-2019   **Hack Zero to One**   **Chief Organizer**
Designed and organized first ever student run 30 hour coding hackathon in Amritsar witnessing the presence of more than 100 coders from various states of India.

2018-2019   **Computer Engineering Student Society**   **Technical Head**
Responsible for expanding and leading technical club and organizing various technical flash classes, lectures, workshops, development events. Promoted open-source in campus.

2017-2018   **Computer Engineering Student Society**   **Design Head**
Responsible for creating all graphical flyers, logos, invitations, stickers, etc. for promotion of society's events.

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.