

Puneet Saini

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

H 4/1199, Gali no. 1, Judge Nagar
Amritsar, Punjab-143001, India
Mob.: +91-9888096255
Email: puneet29saini@gmail.com
Web: <http://puneet29.github.io>

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

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.