

Puneet Saini

Systems Engineer
(Data Engineer)
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,
Jira, Confluence,
Adobe Illustrator, Photoshop

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

Certifications/Courses

SAFe 5 Practitioner

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

Experience

2020-NOW **TCS, Bengaluru** **Systems Engineer**

- Developed data pipelines in Spark Scala.
- Automated the testing process. Increased efficiency by 80%.
- Analysis of data to create dimension and fact tables.
- Created shell scripts to automate recurring jobs.

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

2020-2020 **Stylumia** **Product Engineering Intern**

Leading ML startup in FashionAI domain

- Performed Exploratory Data Analysis.
- Developed a high level data visualization library to improve efficiency by 60%.
- Predicted sales and adequate inventory flow.
- Built and optimized machine learning models.

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

2018-2018 **Redinmex, Mexico - Remote** **Freelancer**

- Gathered appropriate dataset to work on.
- Created 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.

Academic 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.