# Puneet Saini

 puneet29  in geekpuneet
Software Engineer
(Data Engineer)
Bengaluru

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

## 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

## Volunteer Work

*2018-2019*
CHIEF ORGANIZER
Hack Zero To One

*2018-2019*
TECHNICAL HEAD
CESS, GNDU

*2017-2018*
DESIGN HEAD
CESS, GNDU

## 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**
- Translate business propositions into quantitative queries and collect/clean the necessary data.
- Build scalable databases capable of ETL processes using SQL and Spark.
- Automated the testing process. Increased efficiency by 80%.
- Analysis of data to create dimension and fact tables.
- Created shell scripts to automate reconciliation report and pipeline jobs.

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

*2020-2020* **Stylumia** **Product Engineering Intern**
*Leading ML startup in FashionAI domain*
- Fulfilled all data science duties for two international fashion brands.
- Understood footwear and jewellery domain to understand the business problem.
- Developed a high level data visualization library to improve efficiency by 60%.
- Predicted sales and adequate inventory flow for leading fashion companies, avoiding stockouts and excess stock.
- Created and presented models for inventory management to sales heads.

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

*2018-2018* **Redinmex, Mexico - Remote** **Freelancer**
- Created video classification model to detect crime using deep learning.
- Gathered appropriate dataset to work on.
- Created visualizations for end-user.

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

## Academic Projects

*2020-NOW* **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-NOW* **Spotify GitHub Pin** **Python, GitHub Actions, spotipy**
This project updates the GitHub gist pinned to my profile. Gist is updated with my top artists on Spotify from last 4 weeks.

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

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