

Puneet Saini

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► Summary

To work in an organization that provides growth and experience. I am willing to learn new technologies and tools to achieve goals of the company. Believes in giving back to society.

► Experience

Stylumia

Bangalore, India

Responsibilities include:

- Performing Exploratory Data Analysis.
- Predicting sales and adequate inventory flow for the client.
- Building and optimizing machine learning models.
- Building utility libraries for faster data visualization.

Jan. 2020 to Current

Product Engineering Intern

Freelancer

Amritsar (Remote)

Data Science

Working for a Mexican company, Redinmex to make a computer vision solution. Responsibilities include:

- Gathering appropriate dataset to work on.
- Extracting features and training the model.
- Creating visualizations for end-user.

Graphic Designing

Created logos, flyers, etc. for promotional purposes. Responsibilities included:

- Delivering creative work before the deadline.
- Understanding and validating the client's requirements.

Mar. 2018 to Current

► Projects

Intel Scene Classification (Demo Live)

Made a scene classification model for Analytics Vidhya's Intel Scene Classification Competition. The project included the process of analyzing, visualizing and data cleaning before model training.

NOOPS Challenge (Live)

Worked on HexBot and FizzBot by NOOPS Challenge

Flask app for style transfer

Implemented using Flask, and Gunicorn at Amazon Web Services (EC2 and S3). The models are built-in Pytorch. This project is an extension of the Image Style Transfer CLI tool.

Fast Artistic Style Transfer

Optimized the style transfer time using the paper by Johnson et al. Fast Style Transfer CLI is a command-line interface for the training of style models used in Artistic Style transfer. It stylizes images in less than 3-5 seconds.

Artistic Style Transfer with CNNs

Implemented Image Style transfer with Convolution Neural Network, by Gatys using Pytorch on my own photo, extracting style from Vincent Van Gogh's Starry Night.

Clutter Manager

This library made in Python helps you manage your files into neat folders according to filetype.

► Positions of Responsibility

Hack Zero to One · Chief Organizer

Mar. 2018 to Mar. 2019

Designed and Organized first-ever student-run 30-hour coding **hackathon** in 2018 at Amritsar witnessing the presence of more than 100 coders and developers from various states of India. Continued the legacy in 2019 as well.

Polaris'18 Techno Cultural Fest · Organizer

Oct. 2018 to Oct. 2018

Responsible for organizing E-gaming and technical events alongside overlooking other events and comedy night held at the festival.

Computer Engineering Student Society · Technical Head

Apr. 2018 to Apr. 2019

Responsible for expanding and leading technical club and organizing various technical flash classes, lectures, workshops, coding and development events. Promoted open-source on campus.

Computer Engineering Student Society · Design Head

Apr. 2017 to Apr. 2018

Responsible for making posters, logos, flyers, invitations, stickers, etc for events organized by the Computer Engineering Student Society. Organized graphic designing flash class.

► Education

Bachelor of Technology (CSE)

2016 to 2020

Guru Nanak Dev University, Amritsar

8.73/10.00

Class 12 (Non-medical CBSE)

2015 to 2016

Bhavan's SL Public School, Amritsar

91.8%

Class 10 (CBSE)

2013 to 2014

Bhavan's SL Public School, Amritsar

9.0/10.0

► Skills

PROGRAMMING: Python, C++

FRAMEWORKS | TOOLS | LIBRARIES:

Pytorch, Numpy, Pandas, Matplotlib, OpenCV, Scikit Learn, Git, Seaborn, AWS EC2, AWS S3, Plotly

DATABASE: MySQL, MS SQL Server, PostgreSQL

GRAPHIC DESIGNING: Adobe Photoshop, Adobe Illustrator, Adobe After Effects

WEB TECHNOLOGIES: Flask, HTML, CSS, ASP.NET, JS

► MOOCs

Convolutional Neural Network · deeplearning.ai | Coursera

License: 2DQDHYRNVJTK

Pytorch Scholarship Challenge · Udacity | Facebook

Pytorch Scholarship Challenge Recipient

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization · deeplearning.ai | Coursera

License: EBATQVS5MUCN

Neural Networks and Deep Learning · deeplearning.ai | Coursera

License: TN4VD5RYPVYG

Google India Challenge Scholarship: Android Basics · Udacity | Google

Google India Challenge Scholarship Recipient for Android Basics

► Interests

Reading and Writing blog on medium (@puneet29)

Passionate musicophile and movie enthusiast

Experimental photo editing, poem writing among other hobbies