

Kanishk KALRA

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B-20, Panchsheel Enclave, New Delhi, India

I love to venture into different domains but the pursuit remains to give my bit of contribution to the society through a Machine Learning Practitioner's vision.

EDUCATION

2016-2020(Expected)	Amity School of Engineering and Technology, Noida Bachelor of Technology in Computer Science and Engineering	CGPA - 8.89/10.0 (till 7th Sem)
2016	Army Public School, Dhaula Kuan Grade XII - Computer Science Stream (CBSE)	Percentage - 92
2014	Army Public School, Dhaula Kuan Grade X - Sciences (CBSE)	Cummulative GPA - 10/10

SKILLS

Languages	Python, JavaScript, C++, Java
Frameworks & Libraries	PyTorch, OpenCV, NumPy, Pandas, Matplotlib
Web Development	HTML/CSS, ReactJs, Redux, MySQL, Firebase
Software & Tools	Docker, Git, LaTeX
Cloud	Google Colab, Heroku
Operating System	Windows, Linux (Ubuntu)

WORK EXPERIENCE

Feb 2020 April 2020	scikit-hep/pyhf Open-Source Software (OSS), CONTRIBUTOR, Remote <ul style="list-style-type: none">> Actively involved to resolve some of the issues> Understanding the development workflow and communicating with the core developer team <p>Python pytest Git XML</p>
May 2019 July 2019	Xebia IT Architects India Pvt. Ltd. Software Development Engineer, INTERN, Gurugram, Haryana <ul style="list-style-type: none">> Developed an optimized, scalable and responsive Web App for their Software Product in pipeline (Phase-I)> Trained to deploy the Web App on Heroku for Software Testing> Understanding and practising Agile Methodology for developing and incorporating the features required by the Product Owner> Constructed an online scrum-board from scratch to enumerate various features to be included in different sprint cycles> Understanding basic responsibilities of DevOps before the start of any Project Development <p>HTML CSS Bootstrap Javascript ReactJS ReduxJs Firebase VS Code GitHub Trello Heroku Agile</p>
June 2018 August 2018	Tata Consultancy Services Ltd. Software Engineer Trainee, INTERN, Noida, India <ul style="list-style-type: none">> Incorporated minor updates for the large scale deployed project(<i>Passport Seva</i>)> Implemented updates to the website via SQL queries> Maintained and curated large amount of user records on a daily basis> Understanding the Software Development Life Cycle and clean coding practices being followed <p>Java JSP Servlet</p>
May 2018 June 2018	Reliance Jio Infocomm. Ltd. Jio Digital Champions, Student Learning Program, NEW DELHI, India <ul style="list-style-type: none">> Analyzed the data collected by interacting with stakeholders of over 75+ SMB's(Small and Medium Businesses)> Underwent a training to learn to draw insights based on the collected data> Received a Letter of Appreciation for being amongst Top 500 across the batches nationally <p>Business Intelligence</p>

PROJECTS

HgRECOG|MR. SAURABH SINGH

SEPTEMBER 2019 - DECEMBER 2019

 github.com/kanishk16/hgRecog

The aim is to build an efficient finger recognition system integrated with different applications, namely, web browser and media player that enables the user to control some of the features of these applications.

[Python](#) [OpenCV](#) [PyTorch](#) [Google Colaboratory](#)

NEURAL STYLE TRANSFER

JANUARY 2019 - OCTOBER 2019

 [github.com/Image-Style-Transfer](https://github.com/kanishk16/Image-Style-Transfer)

Implemented the paper, 'Image Style Transfer using Convolutional Neural Networks' by Leon A. Gatys, Alexander S. Ecker and Matthias Bethge, published at CVPR 2016. The algorithm proposed uses a pretrained VGG-19 model to transfer the style of one image to another.

[Python](#) [PyTorch](#) [Google Colaboratory](#)

SHOPPING CART

MARCH 2019 - APRIL 2019

Built a vanilla multi-page e-commerce website based on AMAZON that simulated its features to understand the flow of JSP, Servlets and MySQL. The complete data displayed on the website was fetched from a real-time built database. Analysed the requirement of query optimizations.

[Java](#) [MySQL](#) [Bootstrap](#) [Netbeans](#)

IMAGE CLASSIFIER TO IDENTIFY 102 DIFFERENT SPECIES OF FLOWERS

DECEMBER 2019 - JANUARY 2019

Submitted under Lab : Challenge Project as Udacity & Facebook Scholarship Challenge

Explored different CNN Architectures(VGG-19, ResNet-101, ResNet-152) to build an Image Classifier that accurately classifies 102 species of flowers. The submitted model was built using transfer learning to retrain a ResNet-152 model with 93% validation accuracy

[Python](#) [PyTorch](#) [Google Colaboratory](#)





DATA CUBES|DR. ANCHAL GARG

MAY 2017 - JUNE 2017

Undergraduate Term Paper

Studied in depth about Data Cubes, a technique to store massive amount of multidimensional data and efficiently analyze it. It is a specific technique devised for 3-D data that is widely used in Data Warehouses as well as for representing time sequence of an image's data. This technique displays the complex data in a simple format that is easy to be computed upon.

RELEVANT COURSEWORK

- Online** Stanford CS231n : Convolutional Neural Networks for Visual Recognition
Introduction to Python  Certificate
The Web Developer Bootcamp  Certificate
JavaScript Beginner Bootcamp  Certificate
High Temporal Resolution Air Quality Observations from Space(NASAARSET)  Certificate
- Offline** Machine Learning, Advanced Neural Network, Digital Image Processing

ACHIEVEMENTS

- > Merit Scholarship (50%) for the academic year 2016-2017, 2018-2019 and 2019-2020
- > Recipient of PyTorch Challenge Scholarship by Udacity and Facebook

EXTRA – CURRICULAR ACTIVITIES

- > Participated in 9th International Confluence on the theme "Cloud Computing, Data Science and Engineering"
- > Project Volunteer in Earth Hour : DMRC Campaign in collaboration with WWF(World Wide Fund for Nature) to raise awareness against Environment friendly practices #GiveUptoGiveBack
- > United Nations Volunteer for the #BeatPlasticPollution Online Campaign