**Anoushkrit** Goel

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# **Skills**

Python, Flutter, Verilog, C, Keras, **PyTorch**, Tensorflow, GCP, Blender, Cadence, MATLAB, Assembly Language, Adobe Illustrator.

Power BI, Data Analytics, Data Extraction, Data Preparation and Preprocessing, scipy, scikit-learn, pandas, numpy

NLP (Natural Language Processing), Computer Vision, Deep Learning,

# Personal Info

**DOB (DD/MM/YYYY) –** 04/06/1997

**Gender:** Male

# **Hobbies**

* Swimming, Basketball, Table Tennis
* Portrait Making, Sketching
* Fingerstyle Guitar Picking
* Mentoring
* Organizing Events and Volunteering for a cause
* Designing and Optimizing Various Tasks

# **Education**

**Shiv Nadar University**

|  |  |  |
| --- | --- | --- |
| B. Tech (Electronics and Communication Engineering) | 7.6 | May. 2019 |
| B. Des (Minor in Design) | **9** | May, 2019 |

**Delhi Public School, Ghaziabad (CBSE)**

|  |  |  |
| --- | --- | --- |
| Senior Secondary Level (XII) | 92.4% | Mar, 2015 |
| Secondary Level (X) | **10** | Mar, 2013 |

# **Industrial Experience**

**Junior Data Scientist,** xtLytics LLCMar’19 - Present

**NextGen Invent Corporation**

* **Ultrasound Breast Image Classification** Feb ’19 – Present

Developed an edge-based AI app for the Low Middle Income Countries to Triage Breast Cancer using Ultrasound Images with the help of Deep Learning Techniques (CNN)on a data set of around 6500 Images. **(from scratch to deployment)** [python]

* **Table -OCR** Sep’ 19 – Present

State-of-the-art **Invoice OCR** using GCP (Google Cloud Platform) which extracts Tables and further transforms the data inside those tables to desired account sheets by the Clients (50 Gas Station in US) [python]

* **Medical 3D Simulation** Feb’ 19 – Mar’ 19

Developing an interactive and augmented 3D model of an eye for training purposes to be used by Untrained Medical Professionals in surgery and other medical procedures on the eye. [Blender]

**Data Analyst,** xtLytics LLCJan’ 19 – Feb’19

**NextGen Invent Corporation**

* Creating Dashboards and insights for Clients using IBM Watson, SAS
* Awarded “Pause of Applause” achievement at the Organization.

# **Relevant Achievements/Certifications**

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| --- | --- | --- |
| Neural Networks and Deep Learning | Coursera | [3G94WMR432EK](https://www.coursera.org/account/accomplishments/certificate/3G94WMR432EK) |
| Improving Deep Neural Networks | Coursera | [Z659SG7D22SG](https://www.coursera.org/account/accomplishments/certificate/Z659SG7D22SG) |
| Structuring Machine Learning Projects | Coursera | [V8N6SVNRZS2J](https://www.coursera.org/account/accomplishments/certificate/V8N6SVNRZS2J) |
| Convolutional Neural Network | Coursera | [4KWP4593LP53](https://www.coursera.org/account/accomplishments/certificate/4KWP4593LP53) |

* ­­­Selected twice for National Level of **NTSE** (National Talent Search Examination) conducted by NCERT. (Class 10 and 8)
* Selected for regional level **RMO** (Regional Mathematics Olympiad) conducted by NISER in Class 10.

# Design Projects

**Multi-Tasking Attachment for Laptop:** Creating an attachment with the laptop which ensures Multi-Tasking by user by displaying the phone by the side of the screen and attaches to it.

**Earphone Winder:** This 3D printed device allows the user to wind their earphones which helps avoid them the problem entangling of earphones.

[**Essential Student Shelf**](https://www.instructables.com/id/Essential-Student-Shelf/)**:** Submission to the Shelving Contest by Instructables which required a creation of an innovative shelf which could win the contest.

**Language of Colour Communication:** Reported the impact of colour and how it communicates with the human psychology in a Research Paper.

# Leadership Experience

**Founder,** VEIG Oct’ 17- May’ 19 Started an AI club, **VEIG** stands for Virtual and Augmented Reality,

Encryption, Artificial Intelligence, and Game Development, and managed a group of 15 students directly and 139 indirectly.

**Founder,** Dauntless May’ 18 – May’ 19 Started a Martial Arts and Fitness Club, **Dauntless,** and managed a group of 12 students directly and 73 indirectly.

# Startup Experience

**Head, Concept Art Team [ Zenida Studios]** Mar’ 16 – July’ 18 Managed a group of 12 people directly in delivering the concept art required to complete the process of Game Development

**Dean, School of AI** Jun’ 18 – July’ 19 **School of AI** is a San Francisco based Startup which delivers **AI** education for all. This was a Pro-bono work to help the community of Data Enthusiasts by conducting meetups, hackathons and sessions.

# Projects

**Teresa (2.0)** Jan’ 19 – Jun’ 19 Artificially Intelligent Healthcare Assistant (Biomedical Text Analytics Tool) build using python which takes name of database, # research papers, and topic as the input and outputs visualization and insights to the researchers. [python]

**Teresa** July’ 18 – Dec’ 18A Digital Auscultation Device which placed over the neck provide various bodily characteristics including heart rate, breathing amplitudes, and speech. Using STM32 F767ZI and Sequence Models. [MATLAB]

**Passify** Oct’ 16 – Dec’ 16 A Backtrack-able unique password generator Android app which allows user to create passwords specific to each website which eliminates the need of a common/master password. [JAVA]

**Stock Price Forecasting** Nov’ 17 – Feb’ 18 Predicted the values of future stock prices based on the previous weekly data of NYSE Stocks (1981-2011) using LSTM and RNN, implemented various EDA techniques to visualize the dataset. [MATLAB]

**VLSI implementation of Fast Convolution** Mar’ 18 – Apr’ 18Implementation of the above stated IEEE paper with optimization on the design of the same using [Cadence] (PCB Designing Software)