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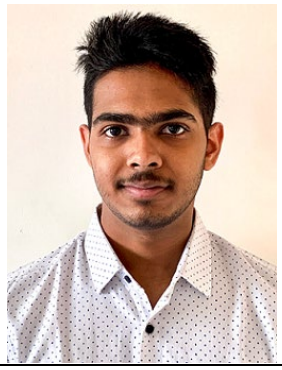

CAREER OBJECTIVE

Seeking an opportunity to learn and develop my skills based on past and present knowledge. Aspiring to start the career in the field of Data Science with a reputed firm driven by technology.

PROFILE SUMMARY

Skills:

- **Operating Systems**: Windows, Ubuntu (GUI and CLI), MacOS
- **Languages**: C, C++, Python, Java, Java Script
- **Database and Client/Server Technologies**: MySQL, MS Access
- **Software Tools**: VS Code, Git, NetBeans, Atom, Anaconda, Eclipse, Colab, Jupyter Notebook, WSL
- **Web Applications:** HTML5, Java Script
- **Others**: TensorFlow, NLTK, Regression Analysis, Convolutions, gTTS, CNN, ANN

Internship:

Research Intern, National Institute of Technology, Rourkela (Jun 2019 - Jul 2019)
With Assoc. Prof. of *Computer Science Department*, I worked on a topic relating to Recommender system. Netflix was facing challenges in content recommendation and wanted to improve their algorithm of content suggestion. This was coined as *Netflix Challenge* and through which participants were to propose algorithms which would increase the efficiency. I studied various algorithms and *improvised their efficiency* and submitted my recommendations to professor for further improvements.

Certification Course/ Project:

- Introduction to TensorFlow for AI, Machine Learning, and Deep Learning- *Coursera* (June 2020)
- Structuring Machine Learning Projects, *deeplearning.ai- Coursera* (May 2020)
- Python Data Structures, *deeplearning.ai- Coursera* (May 2020)
- Neural Networks and Deep Learning, *deeplearning.ai- Coursera* (April 2020)
- Machine Learning for All, *University of London- Coursera* (April 2020)
- Python in 100 mins, *Stemplicity School Online* – Udemy (March 2020)
- Software Defined Storage Concepts, *VMWare* (*January* 2020)

ACADEMICS

Duration	Qualification	GPA (out of 4)	Percentage
2017-21	Bachelor's in Technology, Computer Science Alliance University	**2.2**	**64.4%** (as of 5th Sem.)
2016-17	High School (12th Class), CBSE Board Milton Public School	**2.3**	**62%**
2014-15	Secondary School (10th Class), CBSE Board Delhi Public School, Agra	**3.3**	**74.1%**

PROJECTS

Human and Horses Binary Classifier — **Jul 2020**

- Created an image classifier using 3-layer Deep CNN, along with 3 pairs of Convolution and Pooling layer which can classify whether a given image is a horse or a human
- Achieved 98% accuracy on the training set and 88% on the validation set.

Fashion Object Classifier: MNIST Data — **Jul 2020**

- Created an image Classifier using 2-layer Deep CNN which can classify a set of images into 10 different fashion items (such as shirt, trousers, boots etc.)
- Achieved 94% accuracy on classification of the given unknown dataset.

Linear Regression Analysis on Diabetes Dataset — **Apr 2020**

- Obtained ten baseline variables such as age, sex, body mass index, etc. for 442 diabetes patients to do a quantitative measure of progression of diabetes one year after baseline.
- Trained and predicted presence of diabetes via a linear regression model.
- Successfully predicted the disease progression, one year after baseline.

Sentiment Analysis using Scikit-Learn — **Apr 2020**

- Used a simple logistic regression estimator from scikit-learn for sentiment analysis of IMDB Movie Reviews and document classification.
- Classified a Movie review as a positive or a negative, using Bayes Theorem and Laplacian Smoothing.
- The Trained model successfully classified whether the phrase is of positive or negative sentiment.

Movie Recommender — **Mar 2020**

- Created a movie recommender using Tableau for xx and Movie-Lens Dataset for xx.
- The recommender can successfully classify the movies according to genre and year and predict the movies.

Password generator with Encryption and Decryption.

- Created a Menu based program using C++ that generates the password according to the User's requirements such as length of the Password and Characters to be used
- Designed it with a formula devised in the program, which gets decoded with the same program when user needs it.

Google Assistant Action: Flash Card Based Quiz — **Apr 2019**

- Created a card-based quiz to test user's knowledge in the field of Space Science using Actions on Google
- The Action is available on Google Assistant for all to use under the name "Space in a Nutshell".

LPG Gas Detection and Alert System — **Mar 2019- Apr 2019**

- Used a MQ2 Gas Sensor to detect LPG gas in order to make a system that can help reduce casualties caused by leakage of LPG gas
- Used Push-bullet API to generate a notification if any leakage is detected
- The system worked as expected and gave desirable results by responding and notifying when the Leak occurred.

Light Following Solar Panel Assist — **Nov 2018- Dec 2018**

- Designed and demonstrated a system to position the solar panel in direct proximity of the sun for increasing their efficiency.
- Created a miniature assist using LDR's.
- The solar panel rotated towards the source of light as the direction of light changed.

AWARDS & ACHIEVEMENTS	
Academic	• (Feb 2020) Presented on the Topic "*Lung Cancer Detection using Machine Learning*" hosted by *IET, Present Around the World (PATW)* at Local Level (Karnataka)
Extra and Co-Curricular	• Secured 2nd position among 45 participants in Interdisciplinary Techno Fair 2018 for Presenting an Innovative Idea. • Participated and Secures the First position in "High Endurance, Glider Making" and "Hit the Target, Hydro Rocketry" competition in Astro Space Camp organized by SSERD.

INTERESTS	
• Badminton • Piano	• Esports • Sketching

PERSONAL DETAILS	
Permanent Address	14, Basant Vihar, Beside Agrasen Seva Sadan, Kamla Nagar Agra, Uttar Pradesh- 282005
Date of Birth	September 15th, 1999
Languages	English, Hindi