

Sanyam Dhawan

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Education

Punjab Engineering College (PEC)

BACHELOR OF TECHNOLOGY(B.TECH.), COMPUTER SCIENCE AND ENGINEERING

- **CGPA** : 8.97/10(upto 7th semester)

Chandigarh, India

2016-2020

Guru Ram Dass Public School

SENIOR SECONDARY (NON-MEDICAL) - C.B.S.E

- **Percentage** : 94.6%

Ferozepur, India

2016

D.C. Model Senior Secondary School

MATRICULATION - C.B.S.E

- **CGPA** : 10/10

Ferozepur, India

2014

Industry Experience

Coding Ninjas

DATA SCIENCE AND ML TEACHING ASSISTANT

- Help students to learn and grow by taking doubts related to **Data Science and Machine Learning** on daily basis
- Resolved **2200+** doubts and evaluated **35+** projects with an aggregate rating of **4.87**

New Delhi, India

June 2019 - April 2020

JP Morgan Chase & Co

INTERN

- Interned with **Data Science and ML team** for implementing **Anomaly detection** in Travel and Expense data and Optimizing the case alert system for **fraudulent Anti-Money Laundering (AML) cases**
- Implemented Machine Learning and statistics based models for anomaly detection and was focused towards automating manual tasks
- Applied Optimization techniques to improve the efficiency of alerts generated in present AML system by **30%**

Bangalore, India

Jan 2019 - July 2019

Skills

Programming C, C++, Python, Java, SQL

Machine Learning Supervised (Regression, Decision Trees, Random Forests, Naive Bayes, KNN, SVM, NLP), Unsupervised (PCA, Clustering), Anomaly Detection, Data Analytics(Statistical and Tree)

Deep Learning Neural Networks, Tensorflow, Keras, CNN, RNN, LSTM

Data Visualization Matplotlib, Seaborn, Tableau

Big Data Frameworks Hadoop, Spark

Graphic Designing Adobe Photoshop, Adobe After Effects

Projects

Minutes to Minutes

TEXT SUMMARIZER

- Building a machine learning model to **summarize text** collected from the **audio data** collected during scrum meetings to automate task of jotting minutes of meeting

Aug 2019 -

Gender Classification

🔗 [Sanyamdhawan99/Gender-Classification](#)

MINOR PROJECT (UNDER GUIDANCE OF ASST. PROF. MAYANK GUPTA)

Aug 2018 - Dec 2018

- Built a machine learning model to **classify gender** based on the characteristics that differentiate between masculinity and femininity using images
- Successfully compared and analysed the performance of **Logistic Regression, Decision Trees, KNN, SVM, MLP** and **CNN** on the data of around **40,000** images

Machine Learning

 [Sanyamdhawan99/Machine-Learning](#)

Oct. 2018 - Present

GITHUB REPOSITORY

- GitHub repository dedicated for various **Machine Learning** and **Deep Learning** concepts
- Includes codes for various **Machine Learning** and **Deep Learning** algorithms - **Linear regression, Gradient Descent, Logistic regression, Decision Trees, Random Forests, Naive Bayes, KNN, SVM, PCA, NLP, Neural Networks, CNN, RNN, LSTM, Keras, K-means, K-medoids, Word2Vec**
- Includes projects mainly, **Gradient Descent, Decision Tree implementation, Text Classification, Cifar10, Twitter Sentiment Analysis, Image Classification, Tweet Retweet, Emoji Predictor using LSTM**

SocioHub

 [Sanyamdhawan99/SocioHub](#)

July 2018 - Dec. 2018

SOCIAL NETWORKING WEBSITE

- Built a website for social networking including features such as sending and receiving friend requests, messages, viewing and editing profiles
- Used **Java** for backend and HTML, CSS, **Bootstrap** for front end design
- Also uses **Javascript** and **AJAX** for validations and **MySQL** for database management

Positions of Responsibility

IEEE

Chandigarh

HEAD, AI INTEREST GROUP

July 2019 - Present

- Lead the **AI group** under **IEEE CS Chapter**
- Organize project driven workshops, seminars and competitions in the field of Artificial Intelligence and Machine Learning

Executive Member

Chandigarh

IEEE, ACM, VOYAGERS

July 2018 - Present

- Part of **Executive Body** of Voyagers, a **non-profit organization** registered under Chandigarh administration and run by students of Punjab Engineering College, IEEE and ACM student chapters
- Lead the **design team** to design **posters, brochures** and **standees** for annual events and workshops

Honors & Awards

SCHOLASTIC

2019	3rd Prize , Machine Hack at PECFEST 2019	<i>PEC, Chandigarh</i>
2018	1st Prize , Code Relay at PECFEST 2018	<i>PEC, Chandigarh</i>
2016	1st Prize , Four Arms (built a mechanical lifter using scrap) at PECFEST 2016	<i>PEC, Chandigarh</i>
2017, 2018	Silver Medal(top 4%) , in Week of Code 35, 37 organized by Hackerrank	<i>HACKERRANK</i>
2018	Participated , in North India Cyber Security Hackathon organized by US Embassy	<i>ISB, Mohali</i>
2016	Top 0.06% , in JEE Mains 2016 (AIR 9783) among 1.5 million candidates	<i>India</i>
2016	Scholarship Reward , in ALL India Talent Search Examination(AITSE)	<i>India</i>

EXTRA-CURRICULAR

2016-2018	Certificate of Appreciation , by Voyagers for dedicated service for 3 years in a row	<i>PEC, Chandigarh</i>
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Extracurricular Activity

Voyagers - a non-profit organization

PEC, Chandigarh

EXECUTIVE BODY MEMBER

Aug. 2016 - Present

- Successfully organized two tricity level events comprising of a **talent search show, comedy night, kalakriti** and various side events
- Organized fund raising events for children of **Helping Souls**, a Panchkula based **NGO**

Sports

Punjab

SCHOOL REPRESENTATIVE

2012 - 2014

- Represented school cricket team at **zonal** and **district** levels and brought various laurels to school
- Led school chess team to brag **1st position** at **district** chess competition and qualify for **state** level