

Jatin Sehgal

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Undergraduate 2017-2021 | B.Tech Electrical Engineering
github.com/CDCOSINE

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Education

- **B. Tech in Electrical Engineering:** Year of Passing: **2021**, Marks obtained (Up to 5th Semester): **8.3876** CGPA from National Institute of Technology Kurukshetra
- **Senior Secondary (CBSE board):** Year of Passing: **2016**, Marks Obtained: **80.6%** from Shri Mahavir Jain Sen. Sec. School Kurukshetra
- **Secondar (CBSE board):** Year of Passing: **2014**, Marks Obtained: **9.400** CGPA from Pooja Modern Sen. Sec. School, Kurukshetra

Professional Experience

Lumenci, Cipher Research Ltd, Full Time: IRIS tech Park, Gurugram

- **Profile:** Data and Research Intern
- **Duration:** Fulltime **6 months** i.e. 6 January 2020 to 6 July 2020 (5 days a week)
- **Industry:** Intellectual Property Consultants
- **Day to Day responsibilities:** Webscrapping, building business automation models using python, automating day-to-day tasks using python, Management of Data using python and excel, Handling unstructured data
- **Other:** Technical Writings (5G, Drones, Digital Image Stabilizations, others), several Contribution to Whitepapers, SEO and Google Console understandings
- **Skills Learned:** Python, pandas, Selenium, BeautifulSoup, flask(introductory), MAPI-win32com(introductory), Excel, Macros, Technical/Formal writings and blogs, SEO/Google console/Robots.txt(introductory), Patent Litigation understandings, Time management, Office/work ethics

DIGITA LARGE (Work from Home)

- **Duration:** **3 months** i.e. 10 January 2018 to 10 March 2018
- **Profile and Conclusion:** Worked as **Content Creator** for website <https://www.therugmall.com/>

Webcrafters360 (Work from Home)

- **Duration:** **6 months** i.e. 5 July 2018 to 5 January 2019
- **Profile and Conclusion:** Worked under **Content adaption** for website <https://www.rizlook.com/>

Machine Learning Skills

- Machine learning **algorithm design** using Octave/MATLAB (**Intermediate**)
- Machine learning **programming** using python (**Intermediate+**)
- **Techniques known:** Regression(Linear, Multiple, Polynomial), Classification(Logistic Regression, KNN, Decision Tree, SVM, Naïve Bayes, Random Forests), Regularizations(Lasso, Ridge), Model evaluations and improvements(Bias, Variance, p-value, Rsquared, adjusted Rsquared), Feature selection(Backward Elimination and others), Clustering(K-means, Decision Tree, Random Forest), Apriori, Eclat, UCB (solutions to Multi Armed Bandit problem), ANN, PCA, anomaly detection, Recommender Systems, Large Scale ML
- **Tools/Language/Environments:** Octave/Matlab, Python, Sklearn, matplotlib, Pandas, Numpy, seaborn, BeautifulSoup, Selenium, ipython (Jupyter), Pycharm, Anaconda-JupyterLabs, Watson Studio, Google Colab, Apache Zeppelin
- **Conclusion:** Working experience of programming and developing models and improvements.

Data Science Skills

- Data Ingestion, management, formatting, exploratory analysis (**Intermediate**)
- Data Visualization (**Intermediate**)
- Data analysis (**Intermediate**)
- **Tools/Languages/Environments:** Python, Selenium, BeautifulSoup, Numpy, Pandas, matplotlib, seaborn, Jupyter, Watson Studios, Spyder, Pycharm
- **Conclusion:** Working experience of generating visualization, defining problem statements, providing relevant solutions, communicating results. Good experience of working with unstructured data.

Other Tech. Skills

- Version Control Systems-Git, Github, Gitbash (**Intermediate**)
- SEO/Google console/Robots.txt (**Introductory**)
- Relational Databases, SQL - including nested commands and all types of Joins (**Intermediate**)
- API/MAPI and Flask (**Introductory**, working with python)
- Data Structures and Algorithms (Analysis and Design) C++ (**Intermediate+**)
- C language (**Intermediate**), MS EXCEL(**Intermediate**), Macros (**Introductory**), other MS app.

Personal Skills

- Photography, complete tech, and non-tech knowledge of DSLR components (**Master**)
- Responsible, Leadership, Public Speaking
- Creative writing, Technical / Formal writings, Poetry

Courses

All Certificate pdf's and verification links: <https://www.github.com/CDCOSINE/Certificates/>

- **Machine Learning (11 Weeks, Certificated)**
Provided by **Stanford**, Platform: **Coursera**
Conclusion: ML algorithms design, achieved 100% on all programming assignments
- **Python for Data Science (10 Weeks, Certificated)**
Provided by **University of California San Diego**, Platform: **EDX**
Conclusion: Applied Data Science (practical), Got 90% scholarship of \$315
- **IBM DATA SCIENCE PROFESSIONAL CERTIFICATE:**
- **What is Data Science (3 Weeks, Certificated)**
Provided by **IBM**, Platform: **Coursera**
Conclusion: Data Science Problem Statement formation
- **Tools for Data Science (3 Weeks, Certificated)**
Provided by **IBM**, Platform: **Coursera**
Conclusion: Jupyter Notebooks, Apache Zeppelin, Watson studio
- **Data Science Methodology (3 Weeks, Certificated)**
Provided by **IBM**, Platform: **Coursera**
Conclusion: Various processes in Data Science
- **Python for Data Science (5 Weeks, Certificated)**
Provided by **IBM**, Platform: **Coursera**
Conclusion: Pandas, Numpy and other libraries for Data Science
- **Databases and SQL For Data Science (4 Weeks, Certificated)**
Provided by **IBM**, Platform: **Coursera**
Conclusion: SQL, Advanced SQL, SQL API using python
- **Data Analysis with Python (7 Weeks, Certificated)**
Provided by **IBM**, Platform: **Coursera**
Conclusion: Complete Data Analysis
- **Machine Learning with Python (6 Weeks, Certificated)**
Provided by **IBM**, Platform: **Coursera**
Conclusion: ML programming sklearn and others
- **Introduction to Git/Github (4, Certificated)**
Provided by **GOOGLE**, Platform: **Coursera**
Conclusion: Version Control Systems, Git/GitBash/GitHub
- **Classroom Course:**
- **Data Structures and Algorithms analysis and design C++ (20-24 Weeks, Certificated)**
Provided by **Coding Blocks Pitampura**, Weekend classroom course
Duration- 12 Jan. 2020 to 30 May 2020

Awards and Achievement

- **Strictly Increasing** academic performance
- **Among top 20 Students** out of 140, bagging an on-campus internship
- **2nd Prize** in Vertigo Techspardha' 18(Technical Fest NIT KKR).
- **1st Prize** in Ekanki under **Confluence'18**(Cultural Fest NIT KKR)
- **2nd Prize** Espirit-De-Corpz.
- **1st Prize** Mannequin Talent Show 2017.

Position of Responsibilities

- **Class Representative** for Electrical 2017-Batch.
- News article writer for **Public Relations office** NIT KKR.
- **Coordinated Technical Educational** Visit with Prof. Amit Kumar and Prof. Modi Pandu Ranga Prasad.
- **Organized Soft Skills and Employability** workshop in coordination with Prof. Shahida.
- **Presented HLAB Club for Orientation'18 and 19** as a representative in front of more than 2000 audience.