Jatin Sehgal

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EDUCATION

DEGREE	INSTITUTION	BOARD	PASS YEAR	CGPA/ %
B. Tech. (Electrical)	National Institute of Technology, Kurukshetra	NIT KKR	2021	8.5036/10
Senior Secondary	SMJ School, Kurukshetra	CBSE	2016	80.6%
Matriculate	PMP School, Kurukshetra	CBSE	2014	9.4/10

TECHNICAL SKILLS

Programming Languages	C, C++, Python, SQL
Python Libraries	NumPy, Pandas, Matplotlib, seaborn, folium, Scikit-Learn, BeautifulSoup, Selenium
Tools/Platform	GitHub, Watson, Jupyter, Django-REST API, Anaconda (Spyder), PyCharm, Google Colab, Octave
Use cases	**Web Application Development (Django-Rest API), Web Scrapping, Machine Learning Techniques, Data Science Process**

WORK EXPERIENCE

Data and Research Intern, LUMENCI • Processing and Management of **Patent litigation Data**, **Docket Outlook Automation** • using Python, **Web Scrapping** using Python, Selenium, Beautiful Soup Automation of the Year award for Docket Outlook Project	Jan 2020 – July 2020

PROJECTS

Resource Downloader REST API (https://github.com/CDCOSINE/API_Resources) • Built on Django, REST-framework, Python. Django templated are used to beautify frontend and user experience • Resource link is generated for user without showing actual location of resource from local • Link gets expired for user after certain hours defined by administrator • If active link return file as downloadable that is using content disposition	Built on Django, **REST framewor**k in Python
Docket Outlook Automation **(https://github.com/CDCOSINE/Docket-Outlook-Automation)** • Built in Outlook MAPI's, PySimGUI, Tkinter, Openpyxl, Pandas in Python • Ideation and implementation of a UI incorporated Application which provides automated excel out of lengthy email (10000 words) which includes all the docket updates related to Patent Litigation Cases • Without manual action, option to select keywords csv file in which we are interested Debugged to a version with no instability issues	**Automation of the year Award**
Iris Flower Dataset • Classified a given Iris into 3 species based on 4 features: length and width of sepals and petals • Used Support Vector Machines and hyperparameter practices such as Grid-Search	Achieved **F1 score** of 0.97,0.97,1.0 for different species

Certificated Courses (Detail work- github.com/CDCOSINE)

• **Machine Learning** by Stanford-Coursera **100% in all external programming assignments**	• **Data Structures and Algorithms** by Coding Blocks **Maintained 1st rank** among 80 students
• **Data Science Prof.** 9 Courses by IBM-Coursera	• **Git/Git-Hub** by Google Coursera
• **Data Science with Python** by University of California San Diego-EDX	• **Deep Learning Specialization** by Deeplearning.ai-Coursera **Ongoing**

Extra-Curricular

Position of Responsibilities	Personal Skills / Achievements
• **Educational Tour Coordinator** Coordinated with Prof. Amit, Prof. MPR Prasad	• **1st Prize** Espirit-De-Corpz • **1st Prize** Ekanki
• **Organized Soft Skills workshop with** Prof. Shahida	• **Top 5 Contestants** Maruti Talent Hunt
• **Presented HLAD Club** for Orientation 18 and 19	• Photography