

KANIKA JINDAL

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EDUCATION

Master's in Computer Science <i>University of Southern California, LA, California</i> <i>Courses: Foundations of Artificial Intelligence, Analysis of Algorithms</i>	Jan 2021-Dec 2022
Bachelor's in Computer Science and Engineering <i>Guru Gobind Singh Indraprastha University, Delhi, INDIA</i> <i>Courses: Algorithms and Design, OOPs, Operating Systems, Compiler Design, Data Structures, Artificial Intelligence</i>	Aug 2015-Jun 2019 GPA-8.92/10.0
Higher Secondary School <i>Lovely Public Sr. Sec. School, Delhi, INDIA</i>	Apr 2011-Mar 2015 GPA-92.4/100.0

SKILLS

- **Languages:** Python, C, C++, HTML5, CSS
- **Databases and QL:** MySQL, OrientDB, Gremlin, Cypher, MongoDB, Neo4j
- **Libraries and Frameworks:** Natural Language Processing - Gensim, SpaCy, NLTK, Hugging Face, **Deep Learning** - TensorFlow, Keras, **Data Visualisations** - Bokeh, Plotly, Matplotlib, Dash, BokehJS, Seaborn, **Others** - Pandas, Numpy, BeautifulSoup, statsmodels, Flask, JSON, Scikit-Learn, OpenCV, Dask, FeatureTools, Docker
- **Tools and IDEs:** Jira, Jupyter NB, JupyterLab, PyCharm, Spyder, Google Colab, Amazon SageMaker, Git, Postman, Tableau, Docusaurus
- **AI/ML Skills:** Time Series forecasting, Regression, Clustering, NLP, Transformers, TensorFlow.js, Reinforcement Learning, Meta Learning, DeepL, Neural Networks, Computer Vision, Recommendation systems, Predictive Analysis.

PROFESSIONAL EXPERIENCE

Software Engineer in AI/ML, Digital Transformation Team, Sopra Steria, INDIA	Aug 2019-Dec 2020
<ul style="list-style-type: none">• Part of Research and Development team in Artificial Intelligence and Machine Learning.• Developed API and Python Library for easy and fast coding of topic modelling and time series forecasting pipelines which helped in reducing the man effort by 90% in future projects.• Developed POCs for Document Segmentation, Anomaly Detection, Face recognition, Face Emotion Detection, Style Transfer on pictures, Photo Segmentation, Meta-Learning, Baggage Classification, and Reinforcement Learning.• Devised dashboards for data analysis using Dash and Bokeh and built data stories for various stakeholders.• Won award in Q2 2020 for being an outstanding performer and contributor to R&D.	

INTERNSHIP EXPERIENCE

Software Developer Intern, EzySchooling, INDIA	Jun 2018-Jul 2018
<ul style="list-style-type: none">• Worked on Handwriting text recognition (HTR) system built using OCR and Python for school admissions website.• Developed API for text recognition using boundary boxes for a school's admission form format.	
Research and Data Analytics Intern, AAP, Delhi State Government, INDIA	Mar 2018-May 2018
<ul style="list-style-type: none">• Worked for Delhi government project for building an application to do analysis of crime in Delhi and predict and forecast cases using machine learning algorithms and research for implementation of ML in other govt. policies.• Gained accuracy of 83% (15% improvement) for next week forecast in particular area.	

ACADEMIC PROJECTS

Hidden Comment or Compliment?, Udacity Nanodegree Capstone Project	Jul 2020
<ul style="list-style-type: none">• Developed application to predict the sentiment of user's comment. XGBoost model was trained using IMDB reviews dataset with an accuracy of 84.78% on predictions.• Code compiled and deployed using AWS SageMaker, S3, Pytorch, SageMaker's Endpoints, AWS Lambda and API gateway.	
Foot-Fall, Undergraduate	Feb 2019
<ul style="list-style-type: none">• Learnt R and built dashboard for analysis of customer footfall leveraging Shiny to improve proximity of items in store and make advertisements and counters more accessible and helped store increase sales by 30%.	
Segment It!, Undergraduate	
<ul style="list-style-type: none">• Application to segment text documents using Multinomial Naïve Bayes algorithm which segments user's documents from their original folder to automatically generated labelled folder.• Few Shot Learning technique leveraged for training. TF-IDF, N-Grams, Glob, Shutil, Vectoriser, Pandas and Numpy utilised to perform preprocessing, loading and automatic creation of folders.	
Inter- Stellar, Undergraduate	
<ul style="list-style-type: none">• Application to predict and forecast price of cryptocurrency, called Lumen (Stellar) with 94.3% accuracy using LSTM (Recurrent Neural Networks) on streaming data and created dashboard using Dash.	

LEADERSHIP AND INVOLVEMENT

- **Global Ambassador, WomenTech Network, California, USA, Jun 2020 -Present** - Helped group to increase social media reach and build biggest community of women in technology.
- **Member, WiMLDS, Delhi, INDIA, Sep 2019-Present** - Hosted various competitions and seminars for undergraduate students. Gave guest lectures for data science.
- **President, Swaranjali, Delhi, INDIA, Aug 2019-May 2020** - Managed team of 40 people as Indian classical and Western A Capella choir. Organised and participated in 50+ inter and intra state level choir competitions.