Jhanvi Arora

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OBJECTIVE:

Delve deeper in the domain of Computer Science by augmenting my skillset and seeking prospects that enable me to exercise my gained skills. Evolving via a growth-oriented career to leverage effective skills as a professional while working with an organization and enrich my experience through continuous learning and teamwork.

ACADEMIC QUALIFICATIONS:

Degree/Course	College/Institution	Board/University	Year	Aggregate
BTech (Information and Communication Technology)	School of Technology, Gandhinagar, India.	Pandit Deendayal Petroleum University	2016-2020 (Aug- 2020)	9.35 CPI
H.S.C	Vedant International School, Ahmedabad, India.	C.B.S.E (Central Board of Secondary Education)	2015-2016	92%
S.S.C	Seventh Day Adventist Higher Secondary School, Ahmedabad, India.	I.C.S.E (Indian Certificate of Secondary Education)	2013-2014	87.3%

AREAS OF INTEREST:

- Artificial Intelligence and Machine Learning.
- Natural Language Processing.
- Data Mining.

TECHNICAL SKILLS:

- **Programming Languages Known:** C, C++, Java (Core), assembly language, MATLAB, Python, Arduino, HTML, CSS, JavaScript.
- **Database:** MySQL, SQLite, Oracle.
- **Tools and Technologies/Platforms:** Eclipse (Neon, Oxygen), Atom, PyCharm, Google Colab, NetBeans, MATLAB, Scilab, Atmel Studio, Arduino Compiler, Rasa, Botpress.

PROJECTS UNDERTAKEN:

- **E-auction System (January-May, 2018):**

- Description: A dummy model of object-oriented concept-based application system where buyers and sellers can come together and exchange products at comfortable cost.
- Tools/Technology: Java.

- **Signature Recognition and Fraudulence detection (January-August, 2019):**
  - Description: A combination of image processing and machine learning based approaches to distinguish the signatures and identify the forgery confidence for each class.
  - Tools/Technology: Python, Machine Learning tools.
- **Sentiment Filtration of Social Media Data (August-December, 2019):**
  - Description: A minor project to explore the potential strategies of Sentiment extraction from the popular public opinion expressions, also with a keenness to optimize huge data processing strategies.
  - Tools/Technology- PySpark, Natural Language Processing, Machine Learning
- **Rhetorical Analysis and Classification of Poem Text (August-December, 2019):**
  - Description: Using Natural Language processing to detect the rhetorical devices in poems and applying machine learning to the features to get a similarity between the writing patterns.
  - Tools/Technology: Python, Natural Language Processing, Machine Learning.
- **Person Retrieval Based on Cognizable Human Descriptions (January-June, 2020):**
  - Description: Applying deep learning techniques to surveillance videos to identify a person amongst it with eye-catchy human descriptions like cloth colour, physique and gender.
  - Tools/Technology- Python, Deep Learning and Machine Learning methods.

PREVIOUS EXPERIENCE:

- **VATSALYA FOUNDATION** (10th June'2017- 29th July'2017)**:**
  - Job Role- Educationist/Teacher.
  - Job Type- Rural/Social Internship.
  - Job Description- Educate children of Rural Areas on Subjects of importance such as English, Maths and Science as well as monitor and record their progress for survey.
- **FUSION INFORMATICS** (5th June'2019- 5th August'2019)**:**
  - Job Role- Chatbot Developer.
  - Job Type: Technical Internship.
  - Job Description- Using Natural Language Processing and Machine Learning algorithms to make use-case specific chatbots which interact with the users.

TRAINING:

- Program on Disaster Management (Rescue and Relief)
  at **Gujarat Institute of Disaster Management** (21st January- 22nd January' 2017)

- Course in Optical Fibre and Mobile Communication
  at **BSNL Regional Training Centre** (11th June'2018 – 30th June'2018).

FURTHER EDUCATION:

- **Deep Learning Specialization (July 2020):**

A five course specialization series, equipped with all the essentials of deep learning – from neural networks in Computer Vision to Natural Language Processing compiled by deeplearning.ai. The specialization courses are namely-

1. Neural Networks and Deep Learning
2. Improving Deep Neural Networks- Hyperparameter Tuning, Regularization and Optimization
3. Structuring Machine Learning Projects
4. Convolutional Neural Networks
5. Sequence Models

- **Natural Language Processing Series (July- August, 2020)**.

Following are the various courses completed under the Natural Language Processing Specialization Series recently launched by deeplearning.ai:

1. Natural Language Processing with Classification and Vector Space Models- focussed on achieving the state of art in NLP tasks requiring classification and engaging the use of word embeddings in vector spaces in same.
2. Natural Language Processing with Probabilistic Models- facilitates the learning of n-gram language modelling along with the application of various Bayesian statistics to the POS tagging and NER applications in NLP.
3. Natural Language Processing with Sequence Models-Deriving the importance and efficiency of deep learning models in NLP tasks, this course availed the implementation experience of deep learning models on classification, NER, language modelling and the Siamese architecture of deriving the similarity in context.

- **Natural Language Processing (June 2020)**

A 5-week course, part of Advanced Machine Learning Specialization by Higher School of Economics on Coursera, with each week detailing and assessing on the various prominent applications of NLP. The broad category of topics the course covered were:

1. Text Classification
2. Language Modelling and Sequence Tagging
3. Vector Space Models
4. Sequence to Sequence Tasks
5. Encoder- Decoder architecture

PRESENTATIONS AND PUBLICATIONS:

- Jhanvi Arora, Utkarsh Pandya, Saloni Shah, Nishant Doshi (2019), 'Survey: Pollution Monitoring using IoT', *The 14th International Conference on Future Networks and Communications (FNC), Procedia Computer Science, Vol. 155 (Pg. 710-715)*. Co-authored and orally presented paper at FNC-2019 conference proceedings held in Halifax, Canada.

ACHIEVEMENTS:

- Received award for academic Excellence in School in Grade 12.
- Qualified for North-West Region and won school level recognition for creative writing.
- Received excellent remark certification for performance at the BSNL Training programme.
- Semi-Finalist of the Group Discussion Contest, 'Clash of the Titans' held at Pandit Deendayal Petroleum University.

SEMINARS:

- “Start-ups: Process, Challenges & Future in India” By Mr. Jatin Kataria, GloCal Missionary And Serial Entrepreneurial strategist.
- Distinguished Expert Talk on “Cyber Security” by Prof. Kamlesh Bajaj (Mentor Professor, NIIT University, Neemrana)
- “Advanced Challenges in VLSI Technology and Design” by Mr. Pranav Joshi, E-Info chips.

PERSONAL DETAILS:

- **Name:** Jhanvi Arora
- **Father’s Name:** Pravin Arora
- **Date of Birth:** 09/05/1999
- **Nationality:** Indian
- **Languages Known:** Hindi, English.
- **Personal Skills-** Problem Solving, effective communication skills, team management.

REFERENCES:

Can be presented upon request.

DECLARATION:

I hereby declare the aforementioned information is true to my knowledge and I bear the responsibilities of the correctness of the same.

Place – Ahmedabad, India

Name- Jhanvi Arora