

VARUN CHOPRA

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EDUCATION

Master of Science in Computer Science
USC Viterbi School of Engineering, Los Angeles, CA

Fall 2021 onwards

Bachelor of Technology in Computer Science and Engineering
Bharati Vidyapeeth's College of Engineering, New Delhi, India

2017 - 2021
CGPA: 9.02

EXPERIENCE

IHS Markit Ltd

June 2020 - July 2020

SQA Engineer Intern/Apprentice

Gurgaon, India

UI improvements on an existing Chrome extension for automation of xpath's extraction from web pages, web automation for login validation and password change, VIN data analysis and bucketing, organising interactive fun activities for the intern cohort.

National Informatics Centre, MeitY

May 2020 - June 2020

Data Analytics Intern

New Delhi, India

Analysis and segregation of chatbot log data and generalisation of analysis process for use with 18 chatbots. Development of a dynamic and interactive dashboard visualising the results of the analysis.

National Informatics Centre, MeitY

June 2019 - July 2019

Summer Intern

New Delhi, India

Developed Matra, a phonetic typing API and tool for transliteration from English to 10 Indian languages.

PERSONAL PROJECTS

- **Music Genre Classification using Deep Neural Networks** *September 2019 - May 2020*
Audio data augmentation techniques to significantly improve data quality. (Accuracy - 98.2%)
- **Stock Prediction using Machine Learning** ☞ *February 2020*
- **Fake News Detection using Deep Learning and Machine Learning** ☞ *February 2020*
Text classification using LSTM classifier (Accuracy - 93.4%) and image classification using CNN and ELA (Accuracy - 91.83%)

PUBLICATIONS

A survey of wavelet-based image retrieval techniques and tuning of hyperparameters ☞ *May 2021*

CERTIFICATES

- **Front-End Web UI Frameworks and Tools: Bootstrap 4** - Coursera *September 2020*
- **Neural Networks and Deep Learning by deeplearning.ai** - Coursera *August 2020*
- **Google Cloud Platform Fundamentals: Core Infrastructure** - Coursera *July 2020*
- **PadhAI Deep Learning** - One Fourth Labs *May 2020*
- **Nagarro Career Bootcamp** - Coding Blocks *April 2020*

TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++, Java, HTML, CSS, JavaScript
- **Tools:** Flask, CherryPy, Tableau, Power BI, Elasticsearch, Kibana, Selenium, MySQL, Oracle, Git
- **Machine Learning:** Keras, Tensorflow, Scikit-learn
- **Cloud Computing:** Google Cloud Platform
- **Design:** Adobe Photoshop, Adobe Illustrator

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

- **Head of Teaching and Instruments** - Aagaaz Music Society, BVCOE *June 2019 - June 2020*
- **Smart India Hackathon Grand Finalist** *March 2019*
- **Anugoonj Annual Cultural Fest Finalist** - Vocals/Guitar *2018, 2019, 2020*
- **Reserve Bank of India Scholarship for Excellence in Studies** *July 2017 - Present*
- **Vice President** - Converge Clan, Montfort School *2015 - 2017*

VOLUNTEER WORK

- **Jagriti Social Awakening, Yamunanagar** - Contribution towards financial literacy *2018 - Present*

INTERESTS

Singing, Playing the Guitar, Football, Photography, Movies, Art History