VARUN CHOPRA

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New Delhi, India

EDUCATION

Bharati Vidyapeeth's College of Engineering   *New Delhi, India*
B.Tech. in Computer Science and Engineering   *2017 - 2021 (expected)*
CGPA: 8.978

Montfort School, Ashok Vihar   *New Delhi, India*
Percentage: 94.6% (AISSCE)   *2015 - 2017*

EXPERIENCE

IHS Markit Ltd   *June 2020 - July 2020*
SQA Engineer Intern/Apprentice   *Gurgaon, India*
UI improvements on an existing Chrome extension for automation of xpaths 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.

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

PERSONAL PROJECTS

Music Genre Classification using Deep Neural Networks   *September 2019 - May 2020*
- Audio data augmentation techniques to significantly improve data quality.
- Comparison of different classifiers.
- Test accuracy of 98.2% achieved on proposed DNN.

Stock Prediction using Machine Learning   *February 2020*
- Use of Linear Regression and Support Vector Machine classifiers from scikit-learn Python library on stock data obtained using quandl Python Library.

Fake News Detection using Deep Learning and Machine Learning   *February 2020*
- Text classification using LSTM classifier. (Accuracy - 93.4%)
- Image classification using CNN and ELA. (Accuracy - 91.83%)

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*

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

- **Head of Teaching and Instrumentals** - 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*

INTERESTS

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