VIKRAM J. SHENOY

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EDUCATION

MUMBAI UNVERSITY, Thadomal Shahani Engineering College, Mumbai, India   **May 2018**
- Bachelor of Engineering in Computer Engineering: **GPA: 3.63/4.0**

WORK EXPERIENCE

Technical Consultant, Annadhan Welfare Organization (Mumbai, IN)   **Jan 2019 – Present**
- Working as a pro bono technical consultant towards the design and development of the official Annadhan application in collaboration with J.P. Morgan Chase & Co.
- Created a work flow for the application's functionalities in accordance to the organization's day-to-day operations.
- Designed a sleek, consistent and user friendly interface for the application.
- **Keywords**: Application Development, Consultancy, UI Design.

Machine Learning Research Intern, University of Groningen (Groningen, NL)   **Aug 2018 – Oct 2018**
- Performed an extensive analysis of the proposed feature selection algorithm as compared to existing feature selection methods such as Fisher Score, Generalized Matrix Learning Vector Quantization (GMLVQ), ReliefF and Boruta.
- Developed a new weighting scheme for the algorithm that considerably improved its performance and efficiency for larger datasets.
- Supervised by Prof. Dr. George Azzopardi at the Bernoulli Institute for Mathematics, Computer Science and Artificial Intelligence.
- **Keywords**: Machine Learning, Feature Selection, Ensemble Learning, Bootstrap Aggregating (Bagging), Boosting, RandomForest, AdaBoost, XGBoost, Python, Plotly.

Software Engineering Intern, **Vroom Cars (Irvine, CA, USA)**   **Feb 2017 – Aug 2017**
- Researched On-board Diagnostics Parameter IDs (OBD – II PIDS) - codes used to request data from a vehicle.
- Implemented an algorithm to extract and transform raw data received through a mobile application into structured format.
- Developed an automated software to convert the structured data from a local database into multiple user-friendly graphs.
- **Keywords**: OBD-II PIDs, Software Development, Python, PHP, JavaScript, SQL, HTML, CSS, Plotly, Xampp, WordPress.

PROJECTS

Twitter Sentiment Analysis using Recurrent Neural Networks   **Mar 2019**
- Performed sentiment analysis on 1.6 million tweets using an RNN with LSTM units and achieved a final accuracy of 84 %.
- **Keywords**: RNN, LSTM, Sentiment Analysis, NLP, Keras, Python.

Neural Style Transfer   **Feb 2019**
- Transferred the artistic style of one image onto another image using a pre-trained VGG19 network with Imagenet weights.
- **Keywords**: CNN, VGG19, Keras, TensorFlow, Python, Matplotlib, Deep Learning.

Intelligent Games, Final Year Project   **April 2018**
- Developed an AI for chess and a famous tile puzzle game, 2048, using fundamental aspects of Game Theory.
- **Keywords**: Minimax Algorithm, Expectimax Algorithm, Python, JavaScript, Game Theory.

Blue Scroll, Android Application   **May 2017**
- Developed a news aggregation mobile application that uses an algorithm to parse over 50 different input streams from news APIs using JSON.
- **Keywords**: Android Application, AndroidStudio, Java, XML, JSON, News Aggregator.

EXTRACURRICULAR ACTIVITIES

Vice-President and Co-Founder, Rotaract Club of TSEC   **Apr 2016 – June 2017**
- Collaborated with Making A Difference, a non-profit organization, for beautification of 36 railway stations across Mumbai.
- Awarded the TSEC Leadership Award in March 2018 for co-founding and heading the Rotaract Club of TSEC in its inaugural year.

TECHNICAL SKILLS

- **Programming Languages:** (Proficient) Python, Java; (Familiar) C.
- **Frameworks and tools:** Keras, TensorFlow, Plotly, Android Studio
- **Data-oriented Languages:** SQL, JSON.
- **Web Development:** HTML, CSS, PHP, JavaScript, Ajax.