

Paritosh Dinesh Katre

DATE OF BIRTH: 05/01/1998

EMAIL: katreparitosh@gmail.com / [GitHub](#)

CONTACT: +91-8806491899

ADDRESS: 11, Pasayadan, S. No. 11/5, Green Park Society, Near Sun City, Sinhagad Road, Anandnagar, Pune – 411051, Maharashtra, INDIA.

EDUCATION

- Bachelor of Engineering in Computer Engineering, Vishwakarma Institute of Information Technology (VIIT), Savitribai Phule Pune University (SPPU), India.
- CGPA for 3rd Year (2018-19): 7.76/10
- Expected Year of Completion: 2020

RESEARCH PUBLICATIONS

National Conference

- **[Published]** Paritosh D. Katre, “NLP based Text Analytics and Visualization of Political Speeches”, in the *Proceedings of National Conference on Recent Advances in Computing (NCRAC 19 – 20 September 2019)*, pp. 18-23, Coimbatore, India.
- **Award:**
 - NCRAC Paper was awarded the **Best Paper Award** and a **Cash Prize**.
 - NCRAC committee **recommended** the paper for publication in Elsevier Scopus Journal.

International Journal (Elsevier Scopus Indexed)

- **[Published]** Paritosh D. Katre, “NLP based Text Analytics and Visualization of Political Speeches”, *International Journal for Recent Technology and Engineering (IJRTE)*, ISSN: 2277-3878, Volume-8 Issue-3, September 2019, pp. 8574-8579. [\[Research Paper\]](#)

IEEE International Conference

- **[Published]** Paritosh D. Katre, “Text Mining and Comparative Visual Analytics on Large Collection of Speeches to Trace Socio-Political Issues”, *2019 IEEE 9th International Advance Computing Conference (IACC 2019)*, 13th -14th December 2019, Tiruchirappalli, India. [\[Research Paper\]](#)
- **Award:**
 - **Lead Paper Award** of the NLP-Session

TECHNICALSKILLS

- **Languages:** Python, Java, C++, R
- **Tools & Libraries:** NLTK, gensim, spaCy, polyglot, pandas, NumPy, TensorFlow, scikit-learn, Keras, PyTorch, Matplotlib, Plotly, beautifulsoup4, Selenium, requests.
- **Database Technologies:** MySQL, SQLite, MongoDB
- **IDE and Platforms:** Jupyter Notebook, PyCharm, Google Colab, Tableau, Android Studio, IntelliJ IDEA, NetBeans
- **Version Control:** Git and GitHub

DEGREE PROJECT / RESEARCH INTERNSHIP AT C-DAC, INDIA (April 2019 – May 2020)

- **Topic:** Prediction and Analytics on Open Unstructured Corpora.

- **Organization:** Applied Artificial Intelligence Group, Centre for Development of Advanced Computing (C-DAC), A Scientific Society under Ministry of Electronics & Information Technology, Government of India.
- **Guide:**
 - Dr. Krishnanjan Bhattacharjee, Principal Technical Officer, Applied Artificial Intelligence Group, C-DAC, India.
 - Assistant Professor Devika Verma, Department of Computer Engineering, VIIT, India.
- **Objective:** Develop an algorithmic approach to predict the occurrence of an event in future from a given textual corpora (blogs, articles). Identify specific text from the corpora which provides substantial evidence for the predicted event.

INDEPENDENT KEY PROJECTS (Refer [GitHub](#) for all projects)

- NLP based Discourse Analytics and Visualization of Political Speech Transcripts
- Multi-Dimensional Data Analytics of Road Accidents in India using Python Libraries
- Song Recommendation System using K-Nearest Neighbor Algorithm
- Salary Predictor: An AdaBoost Learning Model
- Foodify: A food search-suggest Android Application
- Indexed Storing of Patient Data : A JFrame Application for Doctors

SEMINARS / WORKSHOPS / ONLINE COURSES

- **Assisted** in Python Hands-on Session during “**Data Science Basics Workshop**” conducted at the Electronics & Telecommunication Department, VIIT; 23 August 2019.
- **Attended** “**AI and Data Science Day**” hosted by Aegis School of Data Science at Pune Institute of Computer Technology, India; 19 January 2018.
- **Completed** over 15 Online Courses on **Data Science, Artificial Intelligence (AI), and Natural Language Processing (NLP)** from Coursera, Udacity, and Udemy.
- **Presented** a technical Seminar on “**Web-Scraping**” during 6th Semester coursework.

EXTRACURRICULAR ACTIVITIES

- **Head of Music and Cultural Advisor** at ‘Gandharva’ and ‘Aavishkar’, Techno-Cultural Communities, VIIT.
- Music Composer at Geet Dnyaneshwari (fusion of Western and Indian Classical Music).
