BASAVRAJ CHINAGUNDI

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Projects: github.com/basavraj-chinagundi   **Portfolio:**basavraj-chinagundi.github.io/bL1nK/

EDUCATION

Thapar Institute of Engineering And Technology, Patiala   *2019 - 2023*

Electronics and Communication Engineering

SKILLS

- **Languages:**   HTML5, CSS3 **,** Python, C/C++, JavaScript, MATLAB

- **Lib/Frameworks:**   NodeJS, jQuery, TensorFlow, Flask,OpenCV

Interests: Machine Learning ,Deep Learning,Web Dev, IoT ,Robotics

RESEARCH EXPERIENCE

sEMG signal processing   *Mar 2021 - May 2021*
- Data preprocessing using rfft, filters, envelopes
- Improvising performance by anomaly detection techniques

Cementitious compressive strength   *Feb 2021 - Apr 2021*

- Synthetic tabular data generation using CTGAN

- Predictive Analysis using ensemble machine learning algorithms

Pugmark Classification   *Apr 2021 - May 2021*

- Annotating images for segmentation
- Classification of Pugmarks using custom CNN.

DSM   *March 2021 - Apr 2021*

- Time series forecasting using ARIMA and Prophet Models
  for calculating electrical load consumption.

Argument Mining   *May 2021- Jun 2021*

- Key point generation and matching with arguments

- Summarization of arguments using transformers,LSTMs

PROJECTS

- **muZip:** Web application to simply download your favourite artist's music any song or album in just one click.
- **Piccauto:** Deep learning based image downloader for any search query
- **DodgeChat**: A socket based chat application with rooms as per users interests.
- **DCGAN MRI:** Generating synthetic images for upscaling MRI dataset.

ACHIEVEMENTS & EXTRACURRICULARS

- Winner of Inter DPS National CompSci Festival for creating a website based on Digital India initiative.

- VR4AI: Youtube Channel about Machine Learning, AI