

# BASAVRAJ CHINAGUNDI

Email: [rajchinagundi10@gmail.com](mailto:rajchinagundi10@gmail.com)

Linkedin: [linkedin.com/in/basavrajchinagundi](https://www.linkedin.com/in/basavrajchinagundi)

Projects: [github.com/basavraj-chinagundi](https://github.com/basavraj-chinagundi)

Portfolio: [basavraj-chinagundi.github.io/bL1nK/](https://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
- Improving 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