

BASAVRAJ CHINAGUNDI

AI Developer

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in basavrajchinagundi

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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 ,creating masks for semantic segmentation
- Classification of Pugmarks using ConvNets

Argument Mining

📅 May 2021- Current

- Building NLI models using key points and arguments
- Summarization of arguments using SOTA transformers

EV SOC estimation

📅 Apr 2021- Current

- Deep learning techniques for calculation of SOH and SOC

EDUCATION

Thapar University BTech ECE

📅 Aug 2019 – May 2023

Focus: Machine Learning, Deep Learning
Computer Vision, Natural language Processing
Web development, Robotics, IoT

TECHNICAL SKILLS

Languages

HTML5, CSS3, Python, C/C++, JavaScript, MATLAB, LaTeX

Frameworks

Node, Express, jQuery, TensorFlow2, PyTorch, Flask

Databases

MySQL

Tools

OpenCV, Git, Adobe Premier Pro

PROJECTS

muZip

- Web application to download any of your favourite artist's music all at one single place

Piccauto

- Image downloader for any search query, generate image datasets for your projects.

YOLOv5 VisDrone

- Building Custom Object Detection model on VisDrone2019 dataset for 10 classes using state of the art YoloV5

DodgeChat

- A socket based chat application with rooms as per users interests

MultiThreading

- Comparison of processing speed by controlling number of threads

ACHIEVEMENTS

- **Inter DPS National CompSci Festival winner**
1st position for developing a website themed on Digital India initiative
- Head Boy for **four years** in a row demonstrating stellar leadership abilities