(+91) 9405220933 | pranavnat24@gmail.com |
https://github.com/pranav6670

Pranav Natekar

Energetic engineer finalizing Bachelor's degree in Electronics & Telecommunication and seeking real-world experience with outstanding technologies like Machine/Deep Learning. Eager to apply concepts and develop acquired skills such as Signal Processing, Image processing, Computer Vision, etc.

EDUCATION

2015 – 2019

BACHELOR OF ENGINEERING – *VIIT, Pune MH*

+ Graduating with 7.01 CGPA
+ Coursework: Signal Processing, Control Theory, Electronic Devices, Artificial Intelligence, Image Processing, Machine Learning.

2015

HSC – *Gogate Jogalekar College, Ratnagiri MH*

+ Graduated with 76.00 %.

2013

SSC – *Gangadhar Govind English Medium school, Ratnagiri MH*

+ Graduated with 89.00 %.

COMPETENCIES

Programming
C (EMBEDDED), Python, MATLAB.

Frameworks & tools
Git, PyCharm, Arduino IDE, Eclipse, Anaconda, Eagle CAD.

Familiar with
C++, PYTHON (Numpy, OpenCV, Tensorflow, scikit-learn, etc).

Hardware
Embedded systems (Arduino, Rpi), PCBs, Circuit Basics.

INTERNSHIPS

2017 - 2018

RESEARCH & DEVELOPMENT INTERN– *Vishay Components, Pune MH*

+ Observation: Manufacturing of Resistors & Capacitors.
+ Testing: 3rd Harmonic, Pulse & Surge.

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AWARDS

Mindspark'18 — **WITRIFIED -** Winner – *College of Engineering, Pune*

Mindspark'18 — **MICRO-APPS –** 2nd Runner ups - *College of Engineering, Pune*

Mindspark'17 — **CIRCUIT FIXER 2 –** 1st Runner ups - *College of* Engineering, Pune

Melange'18 — **CIRCUIT EYE -** 1st Runner ups – *VIT, Pune*

Solutions'18 — **IMPEDENCE -** 1st Runner ups - *AIT, Pune*

Firodiya Karandak'16 — **2ND PLACE–** *VIIT, Pune*

PROJECTS

2018 - VIIT

Autonomous Vehicle Drive

+ Designed a 2 motor wireless vehicle based on Arduino and nRF24L01+(RF) and using Raspberry pi as brains for Image grabbing, connectivity and sensing.
+ Using sockets, video was streamed to laptop and using OpenCV and scikit-learn image processing and Machine Learning was performed to autonomously drive the vehicle.

2017-VIIT

Automatic Detection & Classification Of Tabla Taalas from Indian Classical Music

+ Harmonic & Percussive components were separated using source separation and signal decomposition.
+ Also Vocal components were separated , if at all present.
+ Convolutional Neural Networks(CNNs) were trained for further classification.

CERTIFICATIONS

2018 — **NVIDIA DEEP LEARNING INSTITUTE'S "FFUNDAMENTALS OF DEEP LEARNING FOR COMPUTER VISION" (DLI C-FX-01)**

2017 — **NATIONAL INSTRUMENT'S "FUNDAMENTALS OF LABVIEW"**

LANGUAGES

MARATHI, ENGLISH, HINDI