

Prateek Sarangi

Computer Science and Engineering at Veer
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Computer Science and Engineering student at Veer Surendra Sai University of Technology, Burla. A strong enthusiast in the field of Data Science and Machine Learning. Hands-on experience and on going work in Image Processing and Neural Network. Experienced in coding of Embedded Systems and Raspberry pi. Skilled in languages C++, Matlab, R and Python. Currently looking for internships in the field of Data Science and Machine Learning to boost up my knowledge in this field.

Experience

**Veer Surendra Sai University Of
Technology (Formerly UCE), Burla**
Student

AUG 2017 TO PRESENT

NIT -Rourkela
Summer Research Intern

MAY 2019 TO JUN 2019

IIT Bhubaneswar
Summer Internship

JUN 2018 TO JUL 2018

Internship under Prof. Dr. G.Panda at IIT, Bhubaneswar in the topic of Machine Learning Algorithm and Desing.

Education

Kendriya Vidyalaya
Class 12th

2005 TO 2017

**Veer Surendra Sai University Of
Technology (Formerly UCE), Burla**
B. Tech

2017 TO 2021

Skills

C++, Python, Machine Learning, Image Processing, Cloud Computing, C (Programming Language), Matlab, Linux, Arduino, R, Amazon Web Services (AWS), MySQL, JavaScript, Management, Leadership, Teamwork, Public Speaking, English, Raspberry Pi, Natural Language Processing (NLP), Deep Learning, Serverless Computing

Video Stabilizer

JUL 2018 TO AUG 2018

<https://github.com/prateeksarangi/ImageStablizer>

This project is used in four-legged robot in Robocon 2019 to stabilize the motion and detect the path to follow in the gaming area.

Fish detection

DEC 2018 TO JAN 2019

<https://github.com/prateeksarangi/InnoBuzz>

This is for the InnoBuzz hackathon conducted at VSSUT, Burla in the occasion of Samavesh 2019. This idea was to detect which type of fish and whether the fish is fresh or not using Image processing.

Video Summarization

JUN 2019 TO PRESENT

<https://github.com/prateeksarangi/Video-Summarization-with-LSTM>

This project is to generate a summary of the video provided using LSTM network.

Video Synopsis Generation

JUL 2019 TO PRESENT

https://github.com/prateeksarangi/vsum_dsf

This project is about generating a synopsis of the video provided. So that we can distinguish the important part of the video and save us a lot of time while evaluating.

Database autotuning using large scale machine learning

AUG 2019 TO PRESENT

<https://github.com/prateeksarangi/ottertune>

This project uses machine learning algorithms to generate recommendation for DBA to get the best possible knob settings.

Pixelation

AUG 2018 TO PRESENT

https://github.com/prateeksarangi/pixelation_NSS
CKgp

A maze solver robot which act upon the instructions provided from the over-head camera and follow the shortest path from the start to the end.

Fingerprint door-lock

JUL 2018 TO PRESENT

<https://github.com/prateeksarangi/fingerprintcode>**Guesture control laptop media player**

JUL 2018 TO PRESENT

<https://github.com/prateeksarangi/gesturecontrol>**Holonomic motion planning using encoder and LSA**

AUG 2018 TO OCT 2018

https://github.com/prateeksarangi/Robocon_Codes**Virtual simulation of computer using**

AUG 2019 TO SEP 2019

Java

https://github.com/prateeksarangi/Virtual_Box/settings

Honors

InnoBuzz hackathon

InnoBuzz, a hackathon conducted by HackEarth. Our team participated in the hackathon and secured appreciation certificate for getting into top 10.

Languages

English (Professional working proficiency), **Hindi** (Elementary proficiency), **Oriya** (Native or bilingual proficiency)

Certifications

The Data Scientist's Toolbox

Coursera

MAR 2019

R Programming

Coursera

APR 2019

Crash course in Deep Learning with Google Tensorflow | Python

Udemy

MAY 2019

Tensorflow and Keras for Neural Network and Deep learning

Udemy

MAY 2019

Embedded Systems Programming on ARM Cortex-M3/M4 Processor

Udemy

MAY 2019

Javascript Masterclass

Udemy

JUL 2019

Learn Ethical Hacking From Scratch

Udemy

SEP 2019