

DIVYANSHU MISHRA

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CAREER OBJECTIVE

To work in an organization with a professional work driven environment where I can utilize and apply my knowledge and skills to grow while fulfilling organizational goals.

ACADEMIC BACKGROUND

Degree	Year of Passing	% Marks	University/Board	Subject Specialization
M. Tech.	2019	8.84 CGPA	Banasthali Vidyapith	Remote Sensing
B. Tech.	2017	74.96%	Banasthali Vidyapith	Electrical & Electronics
Intermediate	2013	75%	Saint Soldier Public School, Tonk, CBSE	PCM
High School	2011	81.7%	Saint Soldier Public School, Tonk, CBSE	All Subjects

PROFESSIONAL EXPERIENCE

- **Senior Executive** at **Genesys International Corporation Ltd., Jaipur** – 1st July, 2021- Present.
- **Image Processing Expert** in **Quantum Asia Pvt. Ltd.** posted at **Watershed Development and Soil Conservation Department, Jaipur Commissionerate** – 3rd June, 2019- 30th June, 2021.

PROJECTS

1. **M. Tech. (Major Project in 3rd and 4th Semester)**
Project Title: “Object Detection in High Resolution Satellite Images” at RRSC-W NRSC/ISRO, Jodhpur during June 2018-March 2019.
In this project different computer vision algorithm were applied for target detection in different softwares and computer languages like MATLAB, eCognition, and OpenCV through Python. In MATLAB different machine learning algorithm were applied like feature extraction which includes HOG, classifier training which includes ACF. HOG detects target with the help of sliding window over the image and uses gradient of template to match with the image. In ACF, positive and negative region proposals were given to detect the object. In eCognition and Python, template matching is done to detect the target. At last the obtained results were compared for determining best suited algorithm for this study work.
2. **B.Tech. (Major Project in 8th Semester)** on **“Power distribution, protection &**

safety measures” at JVVNL (Jaipur Vidyut Vitran Nigam Ltd.) Newai, during January-April 2017.

3. **B. Tech (Minor Project in 7th Semester)** on **“Water level indicator”** at Banasthali Vidyapith, during August-December 2016.

AREAS OF INTEREST

1. Digital Image Processing
2. Microwave Remote Sensing

TECHNICAL SKILLS

Computer skills	C, C++, VB.NET, Python, MATLAB, Microsoft Office
Digital Image Processing Softwares and GIS	ERDAS Imagine, ArcGIS, SPSS, SNAP, NEST, eCognition, ENVI, Agisoft PhotoScan Professional, Pix4D Mapper, MATLAB
Others	Photogrammetry, Google Earth

SEMINAR / CONFERENCES/PROFESSIONAL TRAINING

1. Certificate of completion by **NASA’s Applied Remote Training Program (ARSET)** on **Forest Mapping and Monitoring with SAR Data** held on May 12, 14, 19 & 21, 2020.
2. Certificate of participation on **Data Analytics with Python** held between 4 – 8 May, 2020 by *Forsk Coding School*.
3. Certificate of participation on **Python for Data Sciences** held between 18 – 25 April, 2020 by *Forsk Coding School*.
4. Attended Seminar on **“Electrical & Instrumentation Design Engineering”** conducted by *MECCI Engineers, Institute of Engineering Design and Research*, held on 16th August 2015.
5. Attended workshop on **“MATLAB for Image Processing & GUI”** conducted by *Kaizen Robotics Research Pvt. Ltd.*, held on 10-11 February 2015.
6. Attended workshop on **“Sixth Sense Robotics”** organized by *ROBOTech Labs*, held on 10-11 September 2014.

ACHIEVEMENTS

1. Second in the Merit of Master of Technology (Remote Sensing), 2019, Banasthali Vidyapith.
2. Won third position in **“International Robotics Challenge”** at Banasthali Vidyapith, organized by *ROBOTech* and *Techfest, IIT Bombay*, held on 10-11 September 2014.
3. First runner up in model exhibition of departmental fest **“COSMOS 2017”**, Banasthali Vidyapith, during 17-19 September, 2017.
4. Won first prize in quiz competition of departmental fest **“COSMOS 2017”**, Banasthali Vidyapith, held on 17-19 September, 2017.