

Curriculum Vitae



NAME :SIDDHARTHA MISHRA

E-mail :sidd.mishra29@gmail.com

PHONE: 9926100729

Career Objective:

To work in an innovative and challenging environment where I can show my technical and professional Skills and carve a niche for myself in industry.

ACADEMIC RECORD:

<i>Degree/class</i>	<i>Passing Year</i>	<i>University/college/school</i>	<i>Percentage(%)</i>
10th	1997	B.S.E.,Bhopal(M.P.)	67.4%
10+2th	1999	B.S.E.,Bhopal(M.P.)	64.22%
B,Sc.(Maths)	2002	A.P.S. University Rewa(M.P.)	65.27%
MCA	2006	R.G.P.V. University, Bhopal(M.P.)	68.44%
MPhil(Comp Sc.)	2010	Vinayka University , Salem (T.N.)	Pass
PhD(Comp Sc.)	2020	Himalayan University, Itanagar(A.P.)	Pass

PROGRAMMING SKILLS:

Programming Languages : C, C++, Visual Basic.NET
Database : Visual FoxPro, SQL, MS access
Web Programming : Html
Package : Ms Office, Micromedia Flash
Multimedia Tools : Adobe Primer, AVS editors
Operating Systems : Window XP, Red Hat LINUX

TEACHING EXPERIENCE:

Name of Organization	Position held	Period		Total Duration	Total Emoluments	Description of duties
		From	To			
Century Cement College, Baikunth. Raipur(C.G.)	Assistant Professor	01st August 2007	Till Date	15years	As per rules of Education Society.	BCA Faculty

PROJECT DETAILS:

PROJECT 1:

Patient Management System for Red Cross Society:

- This project deals with the list of inpatients and outpatients.
- According to disease of patient requirements would provide to the patients
- This project also maintains some coupons which provide some discount on the food for medicines.

- In this I have VB6.0 as front-end .

PROJECT 2:

Project for Municipal Corporation

- This project deals with the various levels of project development used in analysis design and testing.
- Here total work is given to the technical manager and technical manager assigns activities.
- This project deals with the various levels of project development and will account for time to employees who are Working under him.
- I have participated in design of major Visual basic forms which holds details of goods received by various departments of corporations and manages their records.
- In this I have used VB6.0 as front-end.

MCA MAJOR PROJECT

Tele communication:

- The telecommunication is internet based web application.
- That is being designed for the consultancies control of the activities that take place in telephone exchange.
- The major application concentration is to cross check the costumer information related to the telephone connection
That were provided to the customer.
- Here I have used VB.NET as front-end and My SQL as back-end .

PhD Thesis

Thesis Title presented as, " **Lossless Image Compression Via Bit-Plane Separation And Multi layer Context** "

carried out by the author as a part- time research scholar in the Department of Computer Science And Applications, Himalayan University Itanagar, under the guidance of Dr. Chander kant, Assistant professor in Computer Science, during the study period. Our main goal in this thesis is to unify the different techniques adapted so far in Digital Image Processing, Edge Detection, various image algorithm. Segmentation Techniques, Representation of Images, Medical Images, Coding and Decoding methods are discussed. Digital Image Processing generally refers to processing of a two dimensional picture by a digital computer. In a broader context, it implies digital processing of any two-dimensional data. A Digital Image is an array of real or complex numbers represented by a finite number or bits. It shows a computer laboratory at the University of California, 'Davis', a scientist used for Digital Image Processing. An image given in the form of a transparency, slide, photograph, or chart is first digitized and stored as a matrix of binary digits in computer memory. This digitized image can then be processed and / or displayed on a high-resolution television monitor. Digital Image Processing is a rapidly evolving field with growing applications in science and engineering. Image processing holds the possibility of developing the ultimate machine that could perform the visual functions of all living beings. The fundamental of the major topics of Digital Image Processing are representation, processing techniques and communication. The level of discussion would enable

an engineer or a scientist to design image-processing system or conduct research on advanced and newly emerging topics.

In chapter one, The history of digital image processing literature review and applications, Basic concepts of edge detection, A simple edge integration. Estimating derivative and curvature of open curves, A new approach to edge detection. Image enhancement based on various logics are discussed.

In chapter two. In literature review I reviewed various available image handling techniques.

In chapter three. In chapter three I compared various image compression algorithms and notified their compression techniques and identified their advantages and disadvantages..In chapter four.

In chapter 4 I worked on advance approach for image compression on basis of data redundancies and tried to reduce data redundancies using wavelets and other functions. In chapter five.

In chapter 5 I proposed an methodology which can implement identified data compression approach. And I proposed an compression algorithm which can compress image in lossless manner in basis of bit plane separation of pixels. In chapter six.

In chapter 6 I implemented proposed image compression algorithm in MATLAB platform and compared its performance in compare to other algorithms. In chapter seven.

In chapter 7 I concluded this research with successful results.

RESEARCH PAPERS

[1] Siddhartha Mishra, Dr. Chander kant – “ANALYZING LOSSLESS COMPRESSION OF IMAGES BY USING INTEGER MULTIWAVELET TRANSFORM TECHNIQUE” -

published at: " Airo International

Research Journal", www.airo.co.in , ISSN: 2320-3714 Volume XII, Impact Factor 0.75 to 3.19, August-2017

Edition"

https://airo.co.in/paper/admin/upload/international_volume/4070Siddhartha%20Mishra_International_Vol%2012.pdf" .

[2] Siddhartha Mishra, Dr. Chander kant – “ PROCESS OF COMPRESSING OF MAP IMAGES BY MULTI-LEVEL CONTEXT TREE MODELING METHOD” -

published at: " Airo International Research Journal", www.airo.co.in , ISSN: 2320-3714 Volume XIV, Impact Factor 0.75 to 3.19, February-2018

Edition"

https://airo.co.in/paper/admin/upload/international_volume/2002Siddhartha%20Mishra_International_Vol%2014.pdf" .

[3] Siddhartha Mishra, Dr. Chander kant – “ **Improvement in the Lossless Compressed Images with Contextual Memory**” at: "RESEARCH REVIEW International Journal of Multidisciplinary ", Research Journal", www.rrjournals.com, ISSN:2455-3085 Volume-04,03-March-2019 Edition" <https://rrjournals.com/past-issue/improvement-in-the-lossless-compressed-images-with-contextual-memory/>” .

[4] Siddhartha Mishra, Dr. Chander kant - “**Review the Technique for Lossless Image Compression via Bit-Plane Separation and Multilayer Context**”- published at: " INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING (IJRECE)", Research Journal", <http://www.i2or-ijrece.com> , ISSN: 2393-9028 (PRINT) | ISSN: 2348-2281 (ONLINE), Volume 7 April -2019 Edition"<http://www.i2or-ijrece.com/vol.-7-issue-2--version-7-.html>” .

SEMINARS

[1] Siddhartha Mishra, Presented research paper/article on “**ANALYZING THE EFFICIENCY OF DIFFERENT METHODS FOR BIT-PLANE SEPERATION**” in

Research Conference at: " 15 Vivekananda colony Balwant nagar Gandhi road Gwalior MP", www.airo.co.in , In Association with Airo Journals on 5-February-2017.

[2] Siddhartha Mishra, Presented research paper/article on “**Application of context-tree-based compression if natural images**” in

Research Conference at: "Adhyayan conference hall, 139, kailash Vihar, city centre Gwalior MP", www.airo.co.in , In Association with Airo Journals on 19- August-2018.

[3] Siddhartha Mishra, Presented research paper/article on “**Application of lossless Image compression**” in

Research Conference at: " Sez plaza, Marvey road Malad(w) Mumbai”, www.airo.co.in , In Association with IRC on 13-January-2019.

PERSONAL PROFILE

Name	: Siddhartha Mishra
Fathers Name	: Shri Sushil Kumar Mishra
Mothers Name	: Shrimati Saroj Mishra
Date of Birth	: 8-May-1982
Marital status	: Single
Communication	: Hindi, English
Current Address	: LIG-1/16/221, Indira Nagar Huzoor, Rewa (M.P.)-486001

Phone-(07662)242566
Permanent Address: LIG-1/16/221, Indira Nagar
Huzoor, Rewa (M.P.)-486001
Phone-(07662)242566
Gendar : Male
E-mail : siddharth.mishra22@gmail.com
Languages : Hindi, English

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge. I am also confident about my ability to work in organization at given/desired post.

Date- **11-07-2022**
Place: Raipur(C.G.)

Yours Truly
(Siddhartha Mishra)