

# Gaurang Panchal

Research Scholar, School of Information Technology, IIT Kharagpur

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## PERSONAL INFORMATION

Date of Birth : 05-03-1982  
 Language Known : English, Hindi, Gujarati  
 Nationality : Indian

Degree	Year	Institute / University	Percentage
Master of Engineering (Computer Engineering)	2007	DDIT, Nadiad	62.08%
Bachelor of Engineering (Information Technology)	2003	Saurashtra University	66.15%

## AT PRESENT

- **Research Scholar, School of Information Technology, IIT Kharagpur**
- Asst. Prof., CE Dept., Chandubhai S Patel Institute of Technology, Changa, Gujarat

## PROFESSIONAL EXPERIENCE (7.0 Yrs.)

Organization	Designation	From	To	Duration
1. CMS Computer Limited, Ahmedabad	Assistant Engineer	08-04-2004	15-07-2004	3 Month
2. Sai Info system India Pvt. Ltd, Ahmedabad	Software Engineer	28-10-2004	15-07-2005	9 Month
3. Charotar Institute of Technology, Changa	Assistant Professor	05-02-2007	Till Today	

## PROFESSIONAL INSTITUTIONAL MEMBERSHIP

- Member, IEEE
- The IAENG Society of Artificial Intelligence
- The IAENG Society of Computer Science
- The IAENG Society of Data Mining

## NATIONAL CONFERENCES

- Optimization of Neural Network Parameter using Genetic Algorithm by Gaurang Panchal, Amit Ganatra *National Conference on Advanced Computer Application*, 2008
- Solving NP hard problem using Genetic Algorithm, Devyani Panchal, Gaurang Panchal *National Women Conference*, CITC, Changa, India, 2009
- UGC Sponsored One Day National Level Conference on NEXT-GEN Computing Technology Organized by Shree Manibhai Virani & Smt. Navalben Virani Science College, Rajkot. (**Won Second Price with Trophy**), 5<sup>th</sup> March 2011

## INTERNATIONAL CONFERENCES

- Electrical Load Forecasting Using Genetic Algorithm Based Back Propagation Network by Gaurang Panchal, Amit Ganatra, Devyani Panchal, Y P Kosta 1<sup>nd</sup> *International Conference on Data Management (MacMillan Publication)*, IMT, Ghaziabad, Jan-2009.
- Parametric Optimization of Wire Electrical Discharge Machining Process using Genetic Algorithm based Neural Network by Gaurang Panchal, Amit Ganatra, Devyani Panchal, Y P Kosta 2<sup>nd</sup> *International Conference on Data Management (MacMillan Publication)*, IMT, Ghaziabad, Feb-2010.
- *International Conference on Themes of Higher Education: Prospect of Gujarat*, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, 25-26 Nov-2010.

## INTERNATIONAL JOURNALS

- Determination of Over Fitting and Over Learning in Back Propagation Neural Network by Gaurang Panchal, Amit Ganatra, Parth Shah, Devyani Panchal, *International Journal of Soft Computing* , **Vol (5)**, 2011
- Efficient Feature Extraction and Selection Techniques for Classification by Gaurang Panchal, Amit Ganatra, Y P Kosta, *International Journal of Computer Science and Emerging Technology (IJCSET)*, **Vol. 2(2)**, 2011
- Unleashing Power of Artificial Intelligence of Network Intrusion Detection Problem by Gaurang Panchal, Amit Ganatra, Parth Shah, Y P Kosta *International Journal of Engineering Science and Technology (IJEST)*, **Vol. 2(10)**, 2010.
- Initial Classification through Back propagation in a Neural Network following Optimization through GA to evaluate the fitness of an algorithm by Gaurang Panchal, Amit Ganatra, Chintan Gajjar, Y P Kosta *International Journal of Computer Science and Information Technology (IJCSIT)*, **Vol. 11**, 2010.
- Performance Analysis of Classification Techniques using Different Parameters by Gaurang Panchal, Amit Ganatra, Devyani Panchal, Y P Kosta *Springer Verlag-Germany (Springer-LNCS)*, **Vol. 6411**, 2010
- Behavior Analysis of Multilayer Perceptrons with Multiple Hidden Neurons and Hidden Layers by Gaurang Panchal, Amit Ganatra, Devyani Panchal, Y P Kosta *International Journal of Computer Theory and Engineering (IJCTE)*, **Vol. 2**, 2010
- Searching Efficient Neural Network Architecture using AIC Method by Gaurang Panchal, Amit Ganatra, Devyani Panchal, Y P Kosta *International Journal of Computer Application*. **Vol. 1( 5)**, 2010
- Employee Retention Probability using Neural Network Based Back Propagation Algorithm by Gaurang Panchal, Amit Ganatra, Devyani Panchal, Y P Kosta, *IEEE Xplore* 2010, 248

**REVIEWER / EDITORIAL BOARD MEMBER**

- International Journal of Soft Computing (IJSC)
- International Journal of Soft Computing and Engineering (IJSCE)
- International Journal of Computer Science and Information Security (IJCSIS 2011 2012)
- International Journal of Computer Theory and Engineering (IJCTE)
- International Journal of Engineering and Advanced Technology (IJEAT)
- International Journal of Emerging Technology & Advanced Engineering (IJETAE)
- International Journal of Engineering, Science and Technology (IJEST)
- International Journal of Engineering and Innovative Technology (IJEIT)
- International Journal of Advancements in Computer Science & Information Technology (IJACSIT)
- International Journal of Innovative Technology and Exploring Engineering(TM)(IJITEE)
- International Journal of Recent Technology and Engineering(TM)(IJRTE)
- International Journal of Machine Intelligence (BioInfo Journals)
- BioInfo Journal of Machine Learning Technologies (Bioinfo Journals)
- International Journal of Computational Intelligence Techniques (Bioinfo Journals)
- International Association of Engineers and Scientists (IAEST)
- Journal of Information Technology Education: Research (ISI Journal), Idaho State University, USA
- 2011 4th IEEE International Conference on Computer Science and Information Technology- China
- ASME 2011 3rd International Conference on Computer Technology and development ICCTD 2011 China
- Committee Member, First International Conference on Soft Computing, Artificial Intelligence and Applications (SCAI-2012), Delhi, India
- 2012 2nd International Conference on Electronics and Optoelectronics (ICEOE 2012), Shenyang, China, 2012
- 2013 International Conference on Artificial Intelligence, Soft Computing (AISC-2013), Bangalore, India, 2013 (Program Committee Member)
- International Conference on Intelligent Systems and Signal Processing (ISSP-2013), Vallabh Vidyanagar, India

**WORKSHOP ATTENDED**

- Five days' Workshop on "**Advanced Microsoft .NET and ASP.NET Development Tools**" Jointly Organized by GIL and Microsoft in Feb'08 at Anand.
- Three days' workshop on "**Information Security & Ethical Hacking**" by APPin Group, Baroda at Charotar Institute of Technology, Changa
- One day Workshop on "**Effective Teaching**" by Prof. Bhushan Trivedi, at Charotar Institute of Technology-Changa.
- Two days' Workshop on "**Advanced .NET**" at C U Shah College of Engineering & Technology, Wadhwan, 25-26 April 2009.

**WORKSHOP ORGANIZED**

- Organized & Attended 3 days workshop on “Information Security & Ethical Hacking” by Appin Group, Baroda

### EXPERT LECTURE DELIVERED

- Delivering Expert Lecture on ASP.NET 2.0 at **BISAG-Gandhinagar** under C2C Program Organized by Government of Gujarat & Microsoft through SATCOM

### INVOLVEMENT IN ACADEMIC PROGRAM

- Microsoft Trainer, Microsoft IT Academy (MCTS Program), CITC, Changa
- Coordinator, College to Program since last 2.0 yrs

### INHOUSE PROJECT DEVELOPMENT

- Student Information Portal
- Configuration of Bio Matrix Figure Print device in CHARUSAT
- PCC Range Estimator using C# (Pacific Crest Corporation by Shakti Kosta)
- “E-Governance” at Charotar Institute of Technology with ISPL, Ahmedabad
- Developer, “ERP Solution for Comfy Group”, Vallabh Vidyanagar.

### BOOK PUBLISHED

- Optimization of Neural Network Parameter using Genetic Algorithm (ISBN-13: 978-3-8484-4747-3, LAP ACADEMIC PUBLISHER), 2012
- Classification and Optimization to Evaluate the Fitness of an Algorithm (ISBN-13: 978-3-8484-1993-7, LAP ACADEMIC PUBLISHER), 2012

### ACHIEVEMENTS

- **3<sup>rd</sup> Prize, Outstanding Poster Presentation**, 4<sup>th</sup> Research Scholar’s Day, School of Information Technology, IIT Kharagpur, 12<sup>th</sup> January, 2013
- **2<sup>nd</sup> Prize, Outstanding Project Presentation**, UGC Sponsored One Day National Level Conference on NEXT-GEN Computing Technology Organized by Shree Manibhai Virani & Smt. Navalben Virani Science College, Rajkot, 5th March 2011
- **Microsoft Certified Technology Specialist**, MCTS, Microsoft .NET Framework - Application Development Foundation, June 2011

### REFERENCES:

- **Dr. Amit Ganatra**, Dean, Faculty of Technology, CHARUSAT, Changa, Gujarat
- **Prof. C K Bhensdadia**, Head, CE Department, DDIT, DDU, Nadiad, Gujarat

Place:

**Gaurang Panchal**

Date: