



CHAKSHU GROVER



ACADEMIC DETAILS

Year	Degree / Exam	Institute	GPA/Marks(%)
2014	B.Tech in Electrical Engineering	Indian Institute of Technology Delhi	7.747
2010	CBSE	Cambridge Court High School, Jaipur	93.4
2008	CBSE	Maria Assumpta Convent School, Kashipur	93.8

COURSES DONE

Data Structures , Artificial Intelligence , Computer Architecture , Operating Systems , Intro. To Analysis & Differential Equations , Probability & Stochastic Processes , Analysis & Design Of Algorithms .

IIT DELHI THESIS

Title - Classification of Ethnicity, Age and Gender using Image Processing

Supervisor - Dr. Brejesh Lall

Description • Detection and Extraction of faces from Image or Video and comparing to large database containing image of subjects of various races and both gender
• Computation and Combination of Nearest neighbours from these feature sets to yeild hybrid classification and then employment of techniques like comparison of **Color Histograms, Gabor Filter, Local Binary Pattern** and **Multiple Kernel Learning**

SCHOLASTIC ACHIEVEMENTS

- **Summer Undergraduate Research Award** : Received Summer Undergraduate Research Award (SURA)-2012 under the aegis of Undergraduate Research Opportunity program of IITD
- **ACADEMIC RECOGNITION:** :
 - Secured AIR 230 in **IIT JEE 2010** and AIR 271 in **AIEEE 2010**
 - Awarded **CBSE Merit Certificate** for being amongst **top 0.1%** candidates nationally in **Mathematics** Exam (scored 100/100 marks) ('07-08)
 - Awarded Certificate for being amongst **top 1 %** of candidates in **National Standard Physics Olympiad** ('10)
 - Secured **All India Top 200** ranks in 12th **National Science Olympiad** and 3rd **International Mathematics Olympiad** ('10)

INTERNSHIPS

- **Development and Implementation of Operating System for Networking Gear, Kenstel Communications** (May, 2013 - July, 2013) :
 - **Front End Development** for network cameras using HTML, CSS, Javascript
 - **Boot Loader, Kernel Porting and Front End Development** for Networking Gear using Lua

PROJECTS

- **Ciosts Web Designers** (Dec, 2012 - Jan, 2012) : **Collaborated** and **Contributed** as a **Web Designer** for **Ciosts** leading a team of 5 and helping in **development** of website of AIET Jodhpur by primarily working on **JavaScript** end of website
- **Auto car-parking system** (Feb, 2012 - May, 2012) : **Designed** and **Programmed** an Automatic Car-Parking System on a **FPGA** board in **Verilog** using **Xilinx**
- **Stock Market simulation** (Aug, 2012 - Aug, 2012) : **Developed** a **Simulated** Stock market using highly efficient Java program with **Parallel Processing** to manage simulataneous transactions
- **Gesture controlled Robot** (July, 2013 - Present) : **Develeoped** a device to **remotely** control movement of a robot using hand gestures using **Inertial Measurement Unit**
- **Artificial Intelligence** (Jan, 2012 - May, 2012) : **Implemented** a modified connect 4 playing program which competes with other such programs using **Intelligent Gaming Algorithms** like modified **MINIMAX** and **Alpha Beta Pruning** algorithms

TECHNICAL SKILLS

- - **Java, C++, Ardiono, 8086 assembly language, VHDL, Verilog, Python, HTML, CSS, Javascript, Lua, OpenGL, OpenCV, Microsoft Office** and basic **Android** Development

OTHER INTERESTS

Reading Non-fiction,Avid interest in Adventure Sports, Football, Poker and card games