SONAL KUKREJA

Gender : Female

Date of Birth : 30 May, 1990

EDUCATION

S.no.	Qualification	University/Board	Institute/Organization	Year	Percentage/Cgpa
1.	PhD	Thapar University	Thapar University, Patiala	2016-Present	Pursuing
1.	M.Tech. – Computer Science and Applications	Thapar University	Thapar University, Patiala	2013-2015	9.07
2.	B.Tech. – Computer Science	Rajasthan Technical University , Kota	Poornima College Of Engineering, Jaipur	2008-2012	74.02 %
3.	A.I.S.S.E (12th)	CBSE	St. Anselm''s Pink City Sr. Sec. School , Jaipur	2008	78.2%
4.	A.I.S.S.C.E (10th)	CBSE	St. Anselm''s Pink City Sr. Sec. School , Jaipur	2006	94.4%

Electives Completed: PhD : Cryptography

M.Tech.: Enterprise Resource Planning, Information Security

B.Tech.: Compiler Construction, Advanced Data Structures, VLSI Design, Distributed Systems, Artificial Intelligence

WORK EXPERIENCE / TRAININGS

- Currently developing online course on Algorithms, SQL for Udemy
- Currently working as Technial Content Writer at geeksforgeeks.org (Work from Home)
- Assistant Professor - GD Goenka University, Gurgaon   August 2015 - July 2016
  Subjects Taught : Algorithms, Data Structures, C, Compiler Construction
- Teaching Assistant – Thapar University, Patiala   August 2013 – June 2015
  Subjects Assisted : C, Data Structures
- LEET Coaching   January 2015 – June 2015
  Subjects Taught : Algorithms, Data Structures, C, DBMS, Computer Architecture
- Lecturer – Poornima University, Jaipur   March 2013 – July 2013
  Subjects Taught : Data Structures, C, Computer Architecture
- Summer Intern, CMC Ltd. , Jaipur   June 2011 – July 2011
  CMC Ltd., a Tata Enterprise – Leading IT solutions company and a subsidiary of Tata Consultancy Services Ltd.
  - ➢ I developed an Online Shopping Web Application which enables the

customers to shop online.
- Platform : Java
- Backend : My Access

➢ I worked in the company as an intern in the Software Development Department.
- They appreciated my dedication towards the work and coordination with colleagues.

ACADEMIC / RESEARCH PROJECTS

- Current Research in Visual Cryptography and Watermarking
- M.Tech. Thesis work on Image Processing – Reversible Data Hiding using Steganography
- Final Year Academic Project – Jaipur Trip Mentor
- Summer Intern Project – Online Shopping Web Application
- Notepad Application in Java
- Paint Application in Java
- Brick Game in C

COMMUNICATED PAPERS

➢ Sonal Kukreja and Singara Singh Kasana, "Histogram based High Capacity Multilevel Reversible Data Hiding Scheme using Difference Images" Signal Processing, SCI Indexed

➢ Sonal Kukreja and Singara Singh Kasana, "Multilevel Reversible Data Hiding for Digital Images using Histogram Shifting" Journal of Cryptographic Engineering, Scopus Indexed

ACADEMIC ACHIEVEMENTS AND AWARDS

- Qualified GATE – Was among top 2% of aspirants
- Got appreciation certificate in B.Tech. 1st year day (2008) for the development of the project "Brick Game" in C language.
- Achieved 1st prize for designing a poster on "Detection of Parking Spaces By Radar Sensor" in technical category in NCRDEM-IT 2009
- 2nd Prize in VRITCHITRA-2010 (documentary competition) at Inter College level
- Got achievement certificates at school level in Science Projects, such as:
  ➢ Drip Irrigation System
  ➢ Rain Water Conservation System
- Consistent Academic Topper from Primary to Secondary level and achieved various certificates of merit.

EXTRA CURRICULAR ACTIVITIES

- Owns a YouTube Channel for Dance Choreographies
- Participation and winner in gidha competition at college fest Izhaar 2K15
- Created various Short Films and won prizes, such as:
  - Drug Addiction
  - Respect for our National Anthem
- Regular participation in dance, anchoring and fashion shows at various college events.
- Attended workshop on "Ethical Hacking & Information Security" conducted by Kyrion Digital Securities which has a collaboration with TECHNICHE-IIT Guwahati
- Event Coordinator of various events at college level.
- Completed Praveshika Pratham and Praveshika Purna in vocal music.

OTHER INFORMATION

- Topper in Course Work in PhD
- Topper M.Tech. in Thapar University
- Interested in Teaching Profession
- Subjects of Interest : Algorithms, Data Structures, C, C++
- Software Skills / Packages: C (Proficient), C++ (Proficient), D (Beginner), Core Java (Proficient), MySql (Proficient),MATLAB (Proficient),Shell Scripting(Prior Experience), Web Designing (Prior Experience), VHDL Programming – Xilinx (Prior Experience), Python(Beginner)
- Certifications in C, C++,DSA, JAVA
- Member of Indian Society Of Technical Education (ISTE) , ACM
- Fluent in English and Hindi