

Pragya Saxena

E-mail: pragyasaxena_dr@srmuniv.edu.in, saxena.pragya2911@gmail.com Ph: +91-9566196106, +91-9013801710

Address: Flat-5097, Estancia Towers, Guduvanchery, Chennai, Tamil Nadu-603202, India

Education

- Bachelor of Technology(Computer Science and Engineering)
SRM University, Kattankulathur, Chennai, Tamil Nadu, India
Second Year July 2016 — May 2017
Semester III GPA-8.7
First year July 2015 — May 2016
Semester I GPA - 8.08
Semester II GPA - 8.04
- CBSE Class 12th April 2014 — March 2015
Apeejay School, Pitampura, New Delhi
Marks- 90.80%
- CBSE class 10th April 2012 — March 2013
Apeejay School, Pitampura, New Delhi
CGPA - 9.2

Courses Undertaken at SRM University

- **Semester IV (Jan - May 2017):** Programming in Java, Algorithm Design and Analysis, Microprocessors and Microcontrollers, Computer System Architecture, Electrical Engineering and Control Systems, Probability and Queuing Theory, French as Foreign Language-II.
- **Semester III (July - Nov 2016):** Digital System Design, Data Structures, Object Oriented Programming using C++, Object Oriented Analysis and Design, Electronic Devices and Circuits, Transforms and Boundary Value Problems, French as Foreign Language-I.
- **Semester II (Jan - May 2016):** Basic Mechanical Engineering, Basic Electrical Engineering, Computer Hardware and Troubleshooting Laboratory, Program Design and Development Laboratory, Advanced Calculus and Complex Analysis, Material Science.
- **Semester I (July - Nov 2015):** Basic Civil Engineering, Basic Electrical Engineering, Engineering Graphics, Programming Laboratory, Calculus and Solid Geometry, Physics, Chemistry, Biology for Engineers, English.

Technical Skills

- **Programming Languages Known:** C, C++, Python, Java, SQL, BASIC, Visual Basic.
- **Operating Systems:** Windows 98/2000/XP/7/8/10, Linux.
- **Software Packages:** MS Office, Adobe Flash Player, Scilab, Cisco Packet Tracer, Star UML, AutoCAD, Sony Vegas11, Pinnacle Studios, Audacity, PyQt, Qt Designer.

Projects

- Designed a **Tic-Tac-Toe game in middle school (Class 8th), using Visual BASIC.**
- Designed a Quiz questionnaire with **GUI (Graphical User Interface) in middle school (Class 8th) using a Visual BASIC.**
- Developed a **Sudoku Game using Graphics, classes, structures and functions in high school (Class 12th) using C++.**
- Pursued an **internship at the Luminescence Research Laboratory, Department of Physics and Astrophysics, University of Delhi and worked on the Optically Stimulated Luminescence (OSL) instrument under the guidance of Prof. P. D. Sahare during the summer of 2016.**
 - Successfully interfaced the OSL instrument with the computer using Arduino and LabVIEW to enable convenient control and observation of the Input and Output respectively.
 - Carried out an OSL analysis using the instrument and the interfaced computer.
- Currently working as **a part of the SRM University's ROV team(RECON SUBSEA). Team leader of Coding domain of the team.**
 - As a part of the team, I have **studied and learnt the electronic and computational aspects of the ROV (Remotely Operating Vehicle),** a robotic device which aids in performance of unmanned tasks in underwater scenarios.

- As a part of the team, I **will officially represent the SRM University, Kattankulathur in the Annual International ROV Competition conducted by The Marine Advanced Technology Education(MATE).**

Extra-Curricular Activities

- Active member of Movies and Dramatics Club at SRM University, Kattankulathur, Chennai.
- Performed in various street plays as a part of the official team representing Apeejay School, Pitampura and achieved first position in Inter-school street play competition in 2013.
- Participated in Face to Faith Project, organised by Tony Blaire's Faith Foundation from 2012 to 2014. The Face to Faith project is a programme for school children which allows, via video conferencing, interaction with international students where crossfaith discussions take place.
- Involved in various movie making/editing competitions: (1) Apeejay school Noida: CODE 2013, (2) 3rd International Young Film Makers' Festival-2012, Org-National Science Center, New Delhi, (3) Faith Shorts- A Global Film Making Competition organised by Tony Blair Foundation(UK). (4) Achieved 2nd position in Inter-school competition at AFGJI (2012).
- Participated in several theatre workshops organised by National School of Drama (NSD), Ministry of Culture, Delhi as a part of their TIE (Theatre in Education) initiative
 - Summer Theatre workshops (May 2007 – Jun 2007 and May 2010 – Jun 2010)
 - Sunday Club Workshop I (Aug 2010 – Jan 2011): Pursued six months of beginner's training in theatre which culminated in the form of a public display of the play *Zindagi ke rang, Kahaniyon ke sang*.
 - Sunday Club Workshop II (Aug 2011 – Jan 2012): Pursued six months of advanced training in theatre which culminated in the form of a public display of the play *Phir Bajegi Muraliya*.
- Completed Bhushan and Prarambhik levels (5 years of musical training) of Bharatanatyam, from the Pracheen Kala Kendra and am an accomplished Bharatanatyam dancer.

References

- Revathi M., Department of Computer Science, SRM University, Kattankulathur, Tamil Nadu 603203, India
revathi.mo@ktr.srmuniv.ac.in
- Prof. P D Sahare, Professor of Physics, Department of Physics and Astrophysics, University of Delhi, Delhi 110007, INDIA
pdsahare@yahoo.co.in