

Career Objective:

To succeed in getting into a challenging position in an organization where my caliber and skills can be improved and will be effectively utilized.

Academic Profile:

<u>Course</u>	<u>Institution</u>	<u>University/Board</u>	<u>Year of Passing</u>	<u>CGPA / %</u>
B.Tech, CSE (upto 6 th sem)	NIT Calicut	NIT Calicut	2013	7.63
Class XII th	Modern Vidya Niketan, Faridabad	CBSE	2009	90.6%
Class X th	St. Mary's Convent School, Faridabad	CBSE	2007	94.6%

Projects:

- *Mini Project* (Mar 2012-April 2012)
Developed a **Virtual Machine Management Tool** using **Libvirt API** which can connect to a remote hypervisor and manage domains running on it.
- *Compiler Course Project/Lab* (Aug 2011-October 2011)
Developed a **Simple Compiler for Integer/Boolean** according to **Simple Integer Language** specification and provided an additional feature of **User Defined Types**.
- *Linux Module Programming Project* (April 2012)
Developed a **Linux Module** which creates a file in the **/proc** filesystem and keeps track of the changes made in it.
- *Malware Classification Using Graph Clustering* (October 2012-November 2012)
Developed a **Python** program which classifies malware instances into the corresponding family using clustering of Kernel Object Behavioral Graphs and analysed reports of malwares from CWSandbox.
- *Audio Steganography* (Ongoing)
Objective is to study various steganographic techniques in audio files and bring out an efficient technique for **Steganalysis**.

Areas of Interest:

Design of Algorithms, Compiler Design, Operating Systems.

Languages and Technologies:

- Proficient in C; Familiar with C++, Python, OCaml, Linux Shell Scripting, Lex and Yacc.
- Web Scripting Languages: Familiar with HTML, CSS, Javascript and PHP.
- Database Management System: Familiar with MySQL and PostgreSQL.
- Version Control System: GIT.

Scholastic Achievements:

- Secured **AIR 3799** and a Haryana state rank of **144** in **AIEEE** 2009.
- One of the **finalists** in **Code Maestros** conducted by **Computer Society of India** Students' Chapter, NIT Calicut.
- Secured **AIR 137** in **Global Mathematics Talent Search** conducted by **Bright Career**, Rohtak.
- Obtained a **Certificate of Excellence** in **National Level Science Talent Search Examination** 2004.

Activities and Responsibilities:

- **Lab Administrator** at the **Software Systems Lab** under the Department of Computer Science.
- **Student Member** of **ACM** Students' Chapter NIT Calicut, **Member ID: 6811173**
- **Senior Executive** of **Computer Science and Engineering Association** (CSEA) of NIT Calicut.
- **Member** of **Free and Open Source Software Cell** (FOSSCell) of NIT Calicut.
- **Member** of **Computer Society of India** Students' Chapter at NIT Calicut.