



EDUCATION & SCHOLASTIC ACHIEVEMENTS

Program	Institution	%/CGPA	Completion Year
B.Tech: Electrical Engineering Minor: Physics M.Tech: VLSI and Microelectronics	IIT Madras, Chennai	9.20 Rank: 2 (of 20)	2013
12th Grade	P.S.B.B. K.K.Nagar, Chennai	95.0	2008
10th Grade	P.S.B.B. K.K.Nagar, Chennai	90.8	2006

- Secured an **All India Rank of 525** in Joint Entrance Examination (JEE)
- **Selected** to represent **Electrical Engineering dept. IIT Madras** in the **Indo-German Winter Academy** conducted in December 2011 by IIT Delhi-FAU Erlangen. Presented a Technical Talk on **Resistive Memory Devices**
- **Selected** to the **International Olympiad For Informatics Training Camp**. Ranked in **top 25** at the Indian National Olympiad For Informatics(INOI)
- **First** in the Physics Talent Test in January 2008 conducted by The Physics Society, Chennai among **618** students

INTERNSHIPS

- AMERICAN EXPRESS INDIA, GURGAON MAY - JULY 2012
 - Leveraged the **Longitudinal Behaviour** of **Early Transactions** towards predicting **Short & Long Term Risk** - Model 2 **times better risk** indication for early defaulters and **50 bp lower** for good customers than existing methods
 - Developed a system that extracts **risky/credit-worthy behaviour** and flags events across different markets worldwide
- ITTIAM TECHNOLOGIES PVT LTD, BANGALORE MAY - JUNE 2011
 - **Implemented** a model for **Low Density Parity Check(LDPC)** error correcting codes - based on the IEEE 802.11n standard
 - Disadvantages of the simple LDPC Encoder- Decoder realized. Proposed a suitable **Hardware structure** for implementing the LDPC Encoder and Decoder on chip
- AGENT TECHNOLOGIES PVT LTD, BANGALORE MAY - JUNE 2010
 - **Image Processing** using Basic Graph Theory. Modular library built in C++ - used in extracting License Plate Details. Hit Rate of **70%**

POSITIONS OF RESPONSIBILITY

- CORE, WEB AND MOBILE OPERATIONS, SHAASTRA MAY-OCTOBER 2011
 - **Headed a team of 20 coordinators** to completely **rebuild** Shaastra Website in 2 months with **custom backend** - improved ease of use for Event Coordinators and Participants
 - **Laid the Foundations** for an in-house **Enterprise Resource Planning(ERP)** system for the **entire Shaastra Team**
 - **Initiated and Built** the Backend for **User Registration for Events Using BarCode** to speed up, and **document the participation registration** online for **analytics**; Built **Shaastra Android application** for the **first time**
- CORE, ELECTION ENGINEERING TEAM
 - **Lead the Election Engineering Team** for the Student Body Elections 2011. Implemented a **Secure Web Based Voting** for a 5000-strong electorate across 20 polling stations
- COORDINATOR, WEB OPERATIONS
 - **Super Coordinator**, Shaastra 2010 - Headed a team of 3 coordinators to build the **Shaastra UserPortal** handling over **3000 registrations** and **all online participation** before Shaastra
 - **Coordinator**, Shaastra 2009 & Saarang 2010 - Built utilities for Hospitality and Facilities Teams and involved in inter-departmental requests and services.

EXTRA CURRICULAR ACTIVITIES

- Simulation Championship- **Won 2nd and 3rd** in Shaastra 2010, Shaastra 2009 respectively
- **Won 3rd in Online Programming Contest**, Exebit 2009 by CS Dept of IIT Madras
- Participated in LM Solo Vocal Lit-Soc 2010. Trained in Vocal Carnatic Music
- Selected for **NSO Cricket** along with 20 others in total