SUDHARSHAN.V | EE08B049
INDIAN INSTITUTE OF TECHNOLOGY MADRAS

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EDUCATION

Program	Institution	%/CGPA	Completion Year
B.Tech:Electrical Engineering **Minor**:Physics **M.Tech**:VLSI and Microelectronics	Indian Institute of Technology Madras, Chennai	9.20	2013
12th Grade	P.S.B.B. K.K.Nagar, Chennai	95	2008
10th Grade	P.S.B.B. K.K.Nagar, Chennai	90.80	2006

SCHOLASTIC ACHIEVEMENTS

- Secured an **All India Rank of 525** in Joint Entrance Examination (JEE) conducted by the IITs
- Represented IIT Madras in the **Indo-German Winter Academy** conducted in December 2011 by IIT Delhi-FAU Erlangen
- Selected to the International Olympiad For Informatics Training Camp (**IOITC**) 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
  Risk Modelling of Credit Card Customers based on Initial Transactions
  - Observed and Leveraged the **Longitudinal Behaviour** of **Early Transactions** towards predicting Short Term and **Long Term Risk** - Exposed the opportunity in implementing the system
  - Developed a system that extracts **risky/credit-worthy behaviour** and flag events across different markets worldwide

- **ITTIAM TECHNOLOGIES PVT LTD, BANGALORE**   MAY - JUNE 2011
  Low Density Parity Check(LDPC) models based on the IEEE 802.11n standard
  - **Implemented a model for LDPC Codes** - Compared Performance with existing codes(Convolutional and Turbo)
  - 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
  License Plate Extraction for Residential/Retail Usage
  - **Image Processing** using Basic Graph Theory. Modular library built in `C++` - used in extracting License Plate Details

POSITIONS OF RESPONSIBILITY

- **CORE, WEB AND MOBILE OPERATIONS, SHAASTRA**   MAY-OCTOBER 2011
  - Designed and completetd the Website in 2 months with **custom backend** - step towards frictionless information transfer between Event Coordinators and Participants, Laid the Foundations for an in-house managed ERP system for Shaastra
  - Selected a team of 20 Coordinators - **Trained and Lead** them To Build **http://shaastra.org**

- **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

EXTRA CURRICULAR ACTIVITIES

- Simulation Championship- Won 2nd in Shaastra 2010 for Simulating a Beer Distribution Game with different players as in a Supply Chain. Inventory ripples across different players observed, and optimum buffers simulated for different costs involved
- Participated in LM Solo Vocal Lit-Soc 2010. Trained in Vocal Carnatic Music
- Selected for **NSO Cricket** amidst 20 others in total