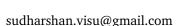
# SUDHARSHAN.V | EE08B049

#### INDIAN INSTITUTE OF TECHNOLOGY MADRAS

321, Godavari Hostel, IIT Madras

+91 94454 53803



#### **EDUCATION**

Program	Institution	%/CGPA	Completion Year
B.Tech: Electrical Engineering Minor: Physics	Indian Institute of Technology Madras,	9.20	2013
M.Tech:VLSI and Microelectronics	Chennai		
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

Analytics

- 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 - July 2012

Low Density Parity Check(LDPC) models based on the IEEE 802.11n standard

Communication Engg

- 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 - July 2012

License Plate Extraction for Residential/Retail Usage

Image Processing

• 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 completed 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

- ullet Simulation Championship- Won  $2^{nd}$  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

