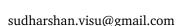
# SUDHARSHAN.V | EE08B049

#### INDIAN INSTITUTE OF TECHNOLOGY MADRAS

321, Godavari Hostel, IIT Madras

+91 94454 53803



## **EDUCATION & SCHOLASTIC ACHIEVEMENTS**

Program	Institution	%/CGPA	Completion Year
<b>B.Tech</b> :Electrical Engineering <b>Minor</b> :Physics	IIT Madras, Chennai	9.20	2013
M.Tech:VLSI and Microelectronics		Rank: <b>2</b> (of 20)	
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 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** 

• 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 revamp Shaastra Website in 2 months with **custom backend** towards better information transfer between Event Coordinators and Participants, **Laid the Foundations** for an in-house developed 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 app for the first time
- 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

- $\bullet$  Simulation Championship- Won  $2^{nd}$  and  $3^{rd}$  in Shaastra 2010, Shaastra 2009 respectively
- Won 3<sup>rd</sup> 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

