

**Education**

Degree/Examination	Branch/Board	Institute/School	CGPA/Percentage
Master of Science (Integrated)	Economics	IIT Kharagpur	8.08/10
Class 12 <sup>th</sup>	CBSE	Jawahar Navodaya Vidyalaya, Muzaffarpur	84.2%
Class 10 <sup>th</sup>	CBSE	Jawahar Navodaya Vidyalaya, Muzaffarpur	87.4%

**Academic Achievements**

- Among top 1% in **IIT-JEE-2006** (300000 candidates)
- Ranked 29<sup>th</sup> in the state and among top 0.25% in **AIEEE-2006** (525000 candidates) and ranked 21<sup>st</sup> in **BCECE-2006**
- **International** Certification in **Banking Risk and Regulation** (ICBRR) conducted by **GARP**
- **2 NSE** Certifications (NCFM): Capital market and Derivatives market Module
- Awarded grade **"A"** in all the **5 Finance** courses taken

**Internships**

May-July 2010 (Institute for Development and Research in Banking Technology (**IDRBT**), established by **RBI**, Hyderabad)

Project: **"Credit Scoring using PCA-SVM hybrid model"**

Achievements:

- The **paper** is **under review** with International Conference on Recent Trends in Information, Telecommunication and Computing (**ITC 2011**)
- Acknowledged by **IDRBT** as the **best work** in credit scoring model in **Risk management** approach till date

December 2009 (Indian Council for Research on International Economic Relations (**ICRIER**), New Delhi)

Project (**Westchester group, USA**): **"Updating the information on India's compliance with international standards and codes and business indicators"**

Achievements:

- Measured robustness of India's institutional and market infrastructure
- Identified risks and structural weaknesses
- Proposed action needed to address these and verified if the regulatory and supervisory practices are consistent with international best practices

May-July 2009 (National Council of Applied Economic Research (**NCAER**), New Delhi)

Project (**Department of IT, India**): **"E-Readiness Assessment and e-Governance Ranking of Indian States and UTs 2008"**

Achievements:

- Evaluated readiness of Indian States and UTs to tackle IT policy and their e-Governance status
- Analysed the Impact of the ICT initiatives taken
- Drawn key solutions for the efficient and optimum output from the measures taken

May-July 2008 (Indira Gandhi Institute of Development Research (**IGIDR**), established by **RBI**, Mumbai)

Project: **"Cost benefit analysis of Bio gas plant"**

Achievements:

- Calculated the cost incurred in establishment of a bio gas plant and proposed a revenue generating model for a given sample of population and analysed its economic viability

**Key Academic Projects**

- MSc. Project: **"Indian Stock Market Forecasting using Hidden Markov Model (HMM)"** [In Progress]  
Analyzed the model by interpolating the neighboring value of the variable of interest behavioral data pattern from the past dataset which is searched by trained HMM. Presently working on the implementation of HMM
- Term Paper: **"Impact of Monetary Policy on the Stock market"**  
Studied the interdependence between Indian monetary policy and stock market return
- Term Paper: **"Money transmission mechanism and monetary policy"**  
Studied the Impact of short term interest rate on real GDP and Inflation

**Technical Skills**

Relevant Software Packages: MATLAB, MS office, Stata, Eviews, Rapid miner, Knime, Weka, GATree, Lingo, R

**Relevant courses taken**

Econometric Analysis	Financial Management	Derivatives	Equity research
International trade & finance	Monetary economics	Financial Institution & Market	Probability and Statistics
Regression Analysis	Time series and forecasting	Simulation	Operation Research
Statistical Inference	Computational Statistics	Partial differential Equation	FODBMS
Econometric Analysis Lab	Computational Statistics Lab	EAP Lab	Operation Research Lab

**Extra Curricular Activities**

- Captain of Volleyball team (LLR Hall, 2009-10) - Won Bronze in Inter Hall
- Member of Inter Hall Bronze winning volleyball team (2008-09 and 2009-10)
- Qualified Regional Level and represented my school at National Level in the literary event competition