



Srinivas Nuti
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UG Fourth Year (B.Tech)
Male
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Examination	University	Institute	Year	%/CPI
Graduation	IIT Bombay	IIT Bombay	2013	6.75
Intermediate/+2	Board of Intermediate Education, AP.	Sri Chaitanya Junior College, Gudavalli	2010	96.70
Matriculation	SSC	Gowtham Concept School, Gudivada	2008	90.33

SCHOLASTIC ACHIEVEMENTS

- Placed among top **1%** in **National Standard Examination in Chemistry and Physics Olympiads** in 2010
- Secured **All India Rank 675(R)** among **475 thousands** students in IIT Joint Entrance Examination in 2010
- Qualified for **Indian Institute of Science and Technology (IIST)** through ISAT exam
- Recipient of **Sir CV Raman "Young Genius"** Awards in the year 2007 for securing **District 1st** rank in CV Raman Examination conducted by Vishwa Bharati Foundation

INTERNSHIPS AND INDUSTRIAL EXPERIENCE

UHDE INDIA PRIVATE LIMITED

(June'13 – July'13)

Plant Design & Piping Department, Vikhroli, Mumbai, India

Guide: Mr. Girish Kulkarni, Deputy General Manager

- Prepared **Plant Layout** of Recycle Gas Compressor of Vacuum Gas Oil(VGO)-Hydrotreater(HDT) Plant, IOCL, Paradip Refinery, Orissa
- Verified **Equipment List** of Tail Gas Scrubber unit, Proposal of DAP Plant, GCT, Tunisia
- Development of **interconnecting pipe-rack** arrangement for ECH(Epichlorohydrin) Plant
- Study of Total Piping Specification of Nirma Limited, Bhavnagar, Gujarat
- Overview of Oil and Industry Safety Directorate Standard, **OISD - 118**, Layouts for Oil and Gas Installations and ASME Code for Pressure Piping, **ASME B31.3** Process Piping (ASME – The American Society for Mechanical Engineers)

SHREE RENUKA SUGARS LIMITED

(December'12)

Sugar Refinery, Kandla, Gujarat, India

Guide: Mr. Mahantesh Mugali, Asst. General Manager (P&A)

- Studied about refined sugar production by 'Carbonation Process' used for the first time in India
- Know how process of Granular Activated Carbon(GAC) column and gained valuable experience on Co-Generation Power Plant

Integrated Sugar Mill and Distillery, Athani, Karnataka, India

(December' 12)

Guide: Mr. Govind Misale, General Manager (Ethanol)

- Suggested for the **Capture and Storage** of Carbon dioxide produced from Fermentation process
- Prepared a report and performed material balances on the production of Ethanol from Molasses
- Studied about various distillation columns and treatment of effluents of the plant

INDUSTRIAL VISIT TO RCF

(January'10 - February'10)

Guide: Prof. Sanjay Mahajani | CHEMICAL ENGINEERING

- Conceptualized **Double Contact Double Absorption technology** employed in production of Sulfuric acid
- Prepared detailed report on production of Sulfuric acid encompassing process description, flow sheet, energy and material balances

UNDERGRADUATE THESIS

DESIGN OF AMMONIA PLANT FROM BIOMASS| ONGOING PROJECT

(January' 14 – Present)

Guide: Prof. V Govardhana Rao | CHEMICAL ENGINEERING

- Literature review of production of Ammonia from synthesis gas and water gas shift reaction
- Feasibility study of Biomass Gasification in small scale for the production of Synthesis Gas.
- Designing a plant of capacity 10TPD of Urea from biomass.

OXIDATION OF ORGANIC POLLUTANTS USING TiO₂/UV

(July' 13 – December' 13)

Guide: Prof. V Govardhana Rao | CHEMICAL ENGINEERING

- Study advanced oxidation process using semi-conductor as catalyst in the presence of UV light
- Literature review of Light Distribution Model which was proposed earlier in a annular tubular reactor
- Modelling of initial rate of reaction with consideration of some modifications accounting different parameters like formation of intermediates

KEY ACADEMIC PROJECTS

THE EFFECT OF PROMOTION ON DURABLE AND NON-DURABLE PRODUCTS

(January '13 – April'13)

Course Project | HUMANITIES AND SOCIAL SCIENCES

- **Investigated** the **impact** of **promotion** on durable and non-durable products
- Planned a new design and advertised for both cell-phone (durable) and shoe (non-durable) products
- Surveyed on characteristics of durable and non-durable to the launch of the product, for both pre as well as the post advertisings for the products

INTEL-8085 SIMULATOR

(August'10-November'10)

Guide: Prof. D.B.Phatak | COMPUTER SCIENCE AND ENGINEERING

- The project involved designing the compiler 8085 Simulator for data storage and handling.
- Made an Interpreter and Debugger, and simulated the interpreted hex-code in Memory Registers.
- Used object-oriented approach in C++ and Qt4 library for GUI

LABS

Process Control	Open and Closed loop simulation of interacting tanks, Design and implementation of PI controller
Heat and Mass Transfer	Comparing efficiency of Shell and Tube, Finned and Plate type Heat exchanger, Gas-Liquid absorption in packed columns, distillation
Fluid Mechanics	Laminar and turbulent flows, Measurements by venturi, orifice meter, Batch settling of solid slurries, Solid flow through bins and hoppers
Reaction Engineering	RTD determination and comparison between CSTR and PFR, Micellar Catalysis
Biodiesel Production Lab	Quality control tests of biodiesel produced from vegetable oil Material, Energy balances by scaling up lab data to plant scale

MINOR: HUMANITIES AND SOCIAL SCIENCES

- Significant Courses : Applying Psychology in Modern Life, Social Psychology, Philosophy of Religion

TECHNICAL SKILLS

- **Programming Languages:** C, C++
- **Computational Software:** Matlab, Scilab, Polymath
- **Simulation and Design Tools:** HTRI, Aspen Plus, Fluent
- **Software packages:** Navisworks® Freedom, MS Office, Adobe Photoshop, Windows, Linux

POSITION OF RESPONSIBILITY

- **Coordinator** in **Entrepreneurship Cell 2012**, under Corporate Relations in the event Eureka Business, one of the main events of E Cell
 - Handled seven number of judges mentoring five organizers along with another coordinator
- **Coordinator** in **Techfest 2012**, the annual science and technology festival of IIT Bombay under Workshops, Hawk Eye Workshop
 - Handled three trainees and eleven teams in the smooth functioning of workshop on time mentoring two organizers and one coordinator
- **Coordinator** in **Azeotropy 2012**, the annual Chemical Engineering festival of IIT Bombay

EXTRA CURRICULAR

- Social Service: National Service Scheme (NSS)
 - Surveyed **Vihigaon** village in Maharashtra about source of earning, healthcare and mode of saving living conditions and gave helping hand through NSS
- Sports: Trained in volleyball under National Sports Organization and Part of hostel volleyball team
- Actively involved in hostel activities such as PAF 2012 which won **Best PAF Award 2012**
PAF is Performance Arts Festival

OTHER INFORMATION

- **Languages Known**: I am conversant in *English, Hindi and Telugu* and basic level *Chinese* and *German*
- Awarded Excellent Performance Certificate in Chinese Language by Beijing Jiaotong University, China
- I love travelling, reading and solving puzzles