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Arnab Chakrabarty

EDUCATION

Texas A & M University, Department of Chemical Engineering

Master of Science (Fall 2004)

Development of dynamic models of reactive distillation columns for simulation and determination of control configurations

GPA 3.90/4.0 (Overall) GPA 4.0/4.0 (Last 40 credit hours)

Indian Institute of Technology(IIT) Kharagpur, Department of Chemical Engineering

Bachelor of Technology August 1997 – May 2001

Development of a software which calculates Thermo physical properties of Cryogenic Fluids.

GPA 8.38/10 (Overall)

EXPERIENCE

09/2002 – Present **Texas A & M University** College Station, TX

Graduate Research Assistant

- Dynamic modeling of a reactive distillation column and RGA analysis for finding optimal loop pairing and implementing PID type controllers.
- Developing Application specific modeling methodology.

07/2001 – 06/2002 **IBM Global Services** Pune, India

Software Engineer

- Technical support for American Express website
- Involved in the development of a web based tool for software project planning and monitoring.

05/2000 – 07/2000 **Dey's Medical Stores** Kolkata, India

Summer Intern

- Study of centralized Air-Conditioner system in Industry.
- Man-power management in different units of a plant.

05/1999 – 07/1999 **National Chemical Laboratories** Pune, India

Summer Intern

- Modeling, optimization and parameter estimation of non-linear Chemical system.

ADDITIONAL EXPERIENCE Lecturer of undergraduate course, Process Control and Instrumentation course, Summer 2004, Texas A & M University.

COMPUTER SKILLS Languages: C, C++, Java, FORTRAN, COBOL, VC++, Perl
Scripting Languages: Html, Xml, JavaScript, ASP, CGI
Databases: Oracle, DB2
Software Engineering: SDLC, OOAD-UML, RUP, Networking
Tools: Matlab, Rational Rose, gPROMS, ASPEN, FEMLAB

PRESENTATIONS Arnab Chakrabarty and Joon Chatterjee, Process Identification of Styrene Polymerisation Controlled at Unstable Steady-State, *CHEMISM 2001 IIT Roorkee*, India