

CHANDAN DASGUPTA

Post Secondary Education

08/2000-06/2004 **Bachelor of Engineering (Honors)-Computer Science & Engineering** Percentage: 76.78%
Institute of Technology and Management, Gurgaon (Topper's %: 79)
(Affiliated to Maharshi Dayanand University, Rohtak)

Entire education with **English** as medium of instruction

Work Experience

06/06 - Present **Xchanging Technology Services**, India
Clients: Lloyd's, Axis Insurance, Tokio Marine & Fire Insurance Company Limited
Role: Support Analyst (Software Engineer)
Domain: Insurance
Module:

- o IRIS (International Insurance and Reinsurance application) Team size: 25

Responsibilities:

- o Software design, development and code review.
- o Tracking code changes through Thenon (change management tool)

Additional role:

- o Process analyst

07/04 - 05/06 **HCL Technologies Ltd.**, India
Client: Infor Global Solutions (previously MAPICS Inc.), USA
Role: Software Engineer
Domain: ERP, Finance
Modules:

- o Customer Service Management (CSM) Team size: 20
- o International Financial Management (IFM) Team size: 17
- o Excise Management (ExMap) Team size: 04

Responsibilities:

- o Design algorithms for automation tools to reduce manual work.
- o Technical writer, responsible for writing design documents.
- o Software design, testing & defect analysis.
- o Perform code reviews and unit testing of modules.
- o Provide functional feedbacks to the client.

Additional roles:

- o Defect Prevention Analyst (for Phase III implementation of CSM module)
- o Project Quality Analyst (for Phase IV implementation of CSM module)
- o Configuration Controller (for Phase II implementation of IFM module)

Research Projects

06/03 – 05/04 **Wireless Application Protocol and Data transmission** (Major project)
Guide: Dr. A.K Dua (Head of Dept, CSE& IT)
Abstract: Designed and developed a wireless service enabling the user to perform his day-to-day work through a WAP-enabled mobile device. Used WML to implement the design and validated it using WAP emulators. This service enabled the user to communicate with others, follow the stock market, keep up with the news, check the weather, make travel plans, conduct business and learn. Key features of this included commendable data transfer speed, legible fonts and user-friendly navigation. The WAP enabled device connects to the web server through WAP gateway and sends request for a particular service. The desired service is processed and WML contents returned to the gateway. The gateway, after verifying the contents encodes them into binary form and sends the result to the WAP enabled device.

06/02 – 07/02 **Character Recognition using ICR technology** (Industrial Training)
Company: CMC Ltd. (a TATA Enterprise, TCS group)

Abstract: The aim of this project was to automate the census process and store the data in databases. These data would then be used by various government agencies for gathering relevant information. The 'Character Recognition' software was customized to process 228 million census forms. We designed algorithms to correctly recognize numbers in 17 different Indian languages with 94% recognition rate. Scanned images of the forms served as 'input' to the system. Our algorithms helped the software 'recognize' the data and subsequently update the database.

Short-Term Projects

- Geometric transformation of images using splines.
- Rotation of 3D objects about arbitrary axis and implementation of various hidden surface removal algorithms.
- Rendering an object using different shading models in Blender.
- Designed and implemented a Word Power Enhancer in C++.
- Developed a two-player memory game algorithm played against the computer as opponent.
- Designed and programmed a robotic arm to simulate human arm movement.
- Designed an Itinerary Planner using Visual Basic and Oracle.
- Developed Management Information System & Billing Software using C++.

Skill set

- | | | | | |
|--------|------------------|-----------|-----------|-------------|
| • Java | • C / C++ / VC++ | • Blender | • VHDL | • Oracle 8i |
| • WML | • VB | • PROLOG | • RPG/400 | • HTML |
| • PHP | • SQL | • LISP | • CL/400 | |

Presentations

- "*Concepts of AS/400*", Xchanging, India
- "*Dreams – The science behind it*", Xchanging, India
- "*Introduction to PowerTool*", HCL Technologies, India
- "*Brain power – An insight into the human mind*", ITM Gurgaon
- "*Wireless Application Protocol and its applications*", ITM Gurgaon
- "*Intelligent homes – A reality*", ITM Gurgaon
- "*Industrial Robots at work – an exhibition and demonstration*", DPS Robotics Society

Awards and Activities

- Won the 1st prize in Intra HCL Photography contest.
- Overall rank 5th in the Computer Science Department.
- Rank 3rd in junior year (semester V).
- Awarded 3rd prize in Technical Conference during the annual Cultural and Technical symposium.
- Awarded the highest honor in school - 'Blue Coat' and 'Blue Tie' by DPS Society in the years 1998 and 2000 respectively, in recognition of consistent academic excellence for eight consecutive years.
- Awarded the Merit Certificate in the year 1998 by the Director of Education (National Scholarship Scheme, India) in recognition of outstanding performance and being among the top 0.1% of successful candidates from all over India in Mathematics, Secondary School Examination.
- Volunteer with CRY (Child Rights & You, *formerly Child Relief & You*) since 2003.
- Member of the Board of Editors for College Magazine – 'Momentum'.
- Member of ACM (Association for Computing Machinery).
- Member of IETE (Institution of Electronics and Telecommunication Engineers).
- Coordinated 'On the Spot Programming Contest' during the annual Cultural and Technical symposium.
- Served as Technical Advisor for Computer Engineers Society (A student chapter of ITM Engineering Society)
- Participated in National Geographic Photo Contest (2005)
- Represented HCL in inter-company Soccer Tournaments.
- Participated in 'Admatazz Athlon' – the annual corporate program in HCL.

Date: 27/03/2007
Place: Delhi (India)