

MANOJKUMAR D JAIN
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OBJECTIVE

To utilize my education in chemistry as well as biology and professional skills in software engineering in adding value to an organization as Informatics Developer or Programmer Analyst

EDUCATION

Master of Science in Chemical Informatics December 2005
Indiana University School of Informatics, Indianapolis (IN)
Research Thesis: Dehydron as a Marker for Drug Design Advisor: Dr. Ariel Fernandez

Post Graduate Diploma in Bioinformatics December 2004
Bioinformatics Institute of India, Noida (INDIA) – Distance Education Program

Post Graduate Diploma in Information Technology December 2001
Indian Institute of Information Technology, Bangalore (INDIA)

Bachelor of Chemical Engineering May 2000
University of Mumbai (INDIA), Dept of Chemical Technology

SKILL SET

Platforms : DOS, Windows 3.1/95/NT4.0/2000/XP, UNIX/LINUX
Languages : Basic, Pascal, Fortran, C, C++, UNIX Shell, PERL, CGI
Web Development : Java, Servlets, EJB, JSP, JavaScript, CSS, HTML, XML
Servers & Databases : NAS 4.0, Weblogic 6.1, Oracle8i/9i, MS Access 2000
Bio/Chem Tools/Packages : Blast, Fasta, SciFinder Scholar, CSD ConQuest, ICSD FindIt, Smiles, Smarts, Smirks, MDL ISIS Draw, ProCheck, Molekel
Molecular Modeling : PCModel, Gamess, Jaguar, Spartan, Sybyl, MacroModel
Scientific Data Management : LabTrack, CyberLab, TotalChrom, SpotFire
Software Packages : Matlab, Toad, WebGain, Ant, CVS, MS-Office, MS-Visio
Conceptual Knowledge : J2EE Architecture, Semantic Web, Extreme Programming

EXPERIENCE

Eli Lilly and Company, Indianapolis (IN)

Summer Intern in Discovery Chemistry June 2005 – August 2005

- Information management, processing, and analysis of x-ray crystallography data
- Development of UNIX shell and PERL scripts for data processing and database integration

CrimsonLogic India Pvt Ltd, Bangalore (INDIA)

Systems Analyst September 2001 – June 2003

Intern June 2001 – August 2001

- Capability Maturity Model – Involved in outlining Quality Management and Assessment
- Future Firm – Involved in Requirement Analysis, Design, Development, and Debugging
- eProcurement System – Involved in Design, Development, Testing, and Debugging
- Electronic Filing System – Involved in Development and Testing

Ion Exchange [India] Ltd, Ambernath, Maharashtra (INDIA)

Intern

May 1999 – July 1999

- Study of ion-exchange phenomena and its application in water purification

AWARDS & ACHIEVEMENTS

- MDL Fellowship Award for Excellence in Informatics from MDL Information Systems, Inc.
- 12th Rank in Mumbai Merit List for Class XII Examinations

PUBLICATION

Franchetti, P., Cappellacci, L., Pasqualini, M., Petrelli, R., Jayaprakasan, V., Jayaram, H.N., Boyd, D.B., Jain, M.D., and Grifantini, M – Synthesis, conformational analysis, and biological activity of new analogues of thiazole-4-carboxamide adenine dinucleotide (TAD) as IMP dehydrogenase inhibitors – *Bioorganic & Medicinal Chemistry*, 2005, v 13(6), pp 2045-2053

ABSTRACT

Jain, M.D. and Boyd, D.B. – Conformational Analysis of New Inhibitors of Human Inosine Monophosphate Dehydrogenase – Abstract 14-A for the Fifth Annual Local Section American Chemical Society Poster Session, DePauw University, Greencastle, Indiana, October 11, 2004

POSTER PRESENTATIONS

Jain, M.D. and Boyd, D.B. – Conformational Analysis of New Inhibitors of Human Inosine Monophosphate Dehydrogenase – Fifth Annual Local Section American Chemical Society Poster Session, DePauw University, Greencastle, Indiana, October 11, 2004

Jain, M.D. and Boyd, D.B. – Molecular Modeling of Thiazole-4-carboxamide Adenine Dinucleotides with Antitumor Activity – Department of Chemistry Poster Session, Indiana University-Purdue University at Indianapolis, Indianapolis, Indiana, October 6, 2004

ADDITIONAL QUALIFICATIONS

- Diploma Course** : Diploma in Computer Management [D.C.M.],
Datapro InfoWorld Ltd, Mumbai
- Certificate Courses** : (a) (i) C & (ii) C++, Boston's Education, Mumbai
(b) (i) Understanding & Applying Internet Concepts
& (ii) Internet Workshop, Novell Education, Mumbai

AFFILIATIONS

- Member of American Chemical Society [ACS]
- Member of Association for Computing Machinery [ACM]

EXTRA-CURRICULAR ACTIVITIES

- Mentor in International Peer Mentoring Program run by Office of International Affairs at IUPUI
- Volunteer for Community Service activities at IUPUI