



Sukhdeep Singh

14, Essex Road
Leicester, UK
LE4 9EE

+44-(0)7942847478

[e mail : vanbug@gmail.com](mailto:vanbug@gmail.com)

Date of Birth: 12th June, 1987

Carrier Objective

A positive, proactive, enthusiastic and result driven professional who enjoys a challenge and achieving personal goals with full satisfaction may be achieved by working in team work or solely and to labour in a creative and challenging team environment, and to pursue a carrier towards the extensive use of all my Engineering skills and IT skills along with my moral values and extra curricular skills and also earning experience towards my carrier growth to become a successful Life Sciences Professional.

Current Status

Graduate of B. Tech. (Biotechnology) from Kurukshetra University, India , currently a Post Graduate Student(Bioinformatics) at University of Leicester, UK.

TECHNICAL SKILLS

Operating Systems	Windows XP/ME/2003/2000/NT, REDHAT LINUX, Ubuntu, Kubuntu, Mac
Packages	MS Office , OPEN OFFICE. DREAMWEAVER, SPSS
Bioinformatics Tools	Rasmol , Swiss PDB, Clustal, Muscle, HyperChem, Cn3D Viewer, Raswin, Chem Sketch, RCSB PDB, SAVS, Modeller , PASS, HEX, Molecular Structure Converter, NCIDB2, Lig-Builder, Auto-Dock, SCOP, CATH, DALI, Pymol, R, Artemis, Rvista, ECR browser, Jpred, PsiPred, Interpro, TMHMM, Signal IP, Phylip, Swiss Model, Genesilico, NCBI, EBI, UCSC Browser and their tools.
Programming Languages	C , GWBASIC, HTML, PHP, MYSQL, JAVA, PERL, CGI, JAVASCRIPT, Ajax, HASKELL
Computer Hardware	Basic knowledge of Networking, Computer Hardware, Assembling and Troubleshooting, Web Designing & Web Programming.

Internships

- **IPRADAR, Berlin, Germany** : Worked as professional internee with Portus Corporate Finance for the construction of medical database including all the surgical and non-surgical instruments manufacturing companies according to synergies for spine for the start-up firm IPRADAR.
- **Fachhochschule, WHV, Germany** : Worked as a summer internee discussing six European problems with colleagues from all over the world and was awarded 6 ECTS credits and stated as highly recommended student. I was awarded scholarship by DAAD (German Academic Exchange Program), Govt. of Germany.
- **Tulip Group of Companies, Goa, India** : Worked as summer internee on the manufacturing and production of diagnostic kits, their quality analysis and distribution to WHO respective countries.
- **IBI Biosolutions, Chandigarh, India** : Worked as summer internee studying In-Silico Drug Designing and finding the candidate drug for the protein involved in measles.
- **Creades Technologies, Noida, India** : Worked as winter internee gaining all the knowledge of Basic and advanced tools of Bio-Informatics.

Legal Documentation

National Insurance Number : SK630286C

Police Clearance Certificate : Yes

Valid Bank Account : Yes

Valid Driving Licence : Yes

Projects

- Construction of a medical database of all companies producing the surgical and non-surgical products for spine and types of physicians using the technology in various parts of the world.
- Drug discovery for kidney stones using the natural products such as tamarind, kulthi, reddish.
- In Silico Drug Designing for the measles diseases involving the docking and binding of Ligand.
- Identification of Circadian genes in affymatrix dataset produced from a Rat's brain sample using R.
- Construction of a web interface using PERL & CGI where the novel protein sequence is fed at one end and the modelled structure is produced by modeller at another end using local blast, viewed as an image file. It can be accessed at : <http://bioinf3.bioc.le.ac.uk/~ss533/input.html>
- Construction of a structured spreadsheet on a server for a neurophysiology analysis using functional programming for the complete automation of neurophysiology experiment involving live Locust for Department of Biology, University of Leicester using JavaScript, PERL-CGI, Ajax. It can be accessed at : <http://bioinf3.bioc.le.ac.uk/~ss533/cgi-bin/home.cgi>

Publications

- Biomedical Engineering paper was published in the annual Abhiyaan magazine of Bharti vidya Peeth College of Engineering, Navi Mumbai, India.

Extra Curricular Activities

- Won **Second** Prize in Web-Designing Contest in VENATIO-2K6, A National Level Technical Symposium organized by Haryana College Of Technology & Management (HCTM), KAITHAL, HARYANA
- Won **Third** Prize in Screw-Da-Bug Contest in ABHIYAAN-2007, A National Level Technical Symposium organized by Bharti Vidya Peeth College of Engineering (BVCOE), MUMBAI on 14th-16th March, 2007.
- Won **Third** Prize in Web-Development Contest in Annual ISTE (INDIAN SOCIETY FOR TECHNICAL EDUCATION) Students Section Convention organized by (BBSBEC), FATEHGARH SAHIB, PUNJAB.
- Won **Fourth** Prize in WEB-O-MANIA Contest in TECHFEST-06, A National Level Technical Symposium organized by SLIET, LONGOWAL, PUNJAB.
- Won **Fourth** Prize for the model of "Bio-Gas Plant" in the State Level Model Competition organized at ACE & AR sponsored by Haryana Renewable Energy Development Agency, Deptt. of Renewable Energy, Haryana.
- Been to Open Day at **European Bioinformatics Institute**, Cambridge, UK for getting involved in a series of lecture and Hands on training for various Bioinformatics tools at EBI.
- Was invited as delegate from India for nine day Bioethics workshop organized by Biotethed, Genova, Italy at Semmelweis University, Budapest, Hungary, all expenses sponsored by **European Commission**.
- Participated in "**PATENT AWARENESS WORKSHOP**" organized by Department of Biotechnology, Ambala College of Engineering & Applied Research, & sponsored by Patent Information Centre (HSCST), DST, Haryana and TIFAC, Department of Science & Technology (DST), Govt. of India, New Delhi.
- Got scholarship from **DAAD** (German Academic Exchange Service) for the summer course in Biomedical Engineering-2007 at Wilhelmshaven, Germany.
- Placed in Grade- '**A**' for successfully completing the curriculum prescribed for Computer Education by Education Deptt. Chandigarh U.T.
- Denoted as **Highly Recommended** Student for the Fachhochschule WHV, Germany.

- Earned **Six ECTS** Credits for the Summer Course in Biomedical Engineering at Germany.
- Provided funding for the model of "Bio-Gas Plant" worth **Rs.2 Lakhs** to be employed on a large scale by the Haryana Government.
- Successfully cleared the Examination conducted by the National Level Science Talent Search Examination-2002 (NSTSE-2002) conducted nation wide on 27th January, 2002 by UNIFIED COUNCIL.
- Got selected for the International Symposium **SYMBIOSE-2007** to be held at LATVIA, EUROPE.
- Won **Third Prize** for presenting PAPER on TOPIC "BIO-METRICS" in Tech Paper Presentation Event held at AZZARO-2007, A National Level Technical Symposium organized by Haryana Engineering College, HR.
- Presented Poster on the TOPIC "CLONING" in the Poster Presentation Session held at University of Applied Sciences, Wilhelmshaven, Germany.
- Presented PAPER on TOPIC "Biomedical Engineering" in Technical Paper Presentation Event held at ABHIYAAN-2007, A National Level Tech Symposium organized by Bharti Vidya Peeth(BVCOE), MUMBAI
- Presented PAPER on TOPIC "Genetically Modified Foods" in Technical Paper Presentation Event held at TECHFEST-06, A National Level Technical Symposium organized by SLIET, LONGOWAL, India.
- Presented PAPER on TOPIC "BIO-INFORMATICS" in Technical Paper Presentation Event held at Annual ISTE (INDIAN SOCIETY FOR TECHNICAL EDUCATION) Students Section Convention organized by BBSBEC, FATEHGARH SAHIB, PUNJAB.
- Presented PAPER on TOPIC "TOOLS OF BIO-INFORMATICS" in Technical Paper Presentation Event held at VENATIO-2K6, A National Level Technical Symposium organized by Haryana College of Technology & Management (HCTM), KAITHAL, HARYANA on 2nd & 3rd NOVEMBER, 2006.
- Delivered a seminar on TOPIC "BIO-METRICS" at Ambala College of Engineering & Applied Research, Mithapur, Ambala Cantt, Haryana.
- Won yellow belt in the Taekwondo Championship organized at Chandigarh U.T.
- Won First Prize for the Sack Race organized at the Annual Athletic Meet at Ambala College, Ambala.
- Worked as Linux based Internet Lab-Administrator for 6 months.
- Participated in the Paper Reading Contest organized at the School & College levels.

References

Dr. Ralf Schmid

Head of Course, Biochemistry Dept.

University of Leicester,

Leicester, UK

e mail: rs206@le.ac.uk

Phone No. (+44) (0) 116 229 7023

Other references available on request.

Dr. Richard Badge

Course Convener/ Professor

University of Leicester, Department of Genetics

Leicester, UK

e mail: rmb19@le.ac.uk

Phone No. (+44) (0) 0116 2525042

Declaration

I hereby confirm that everything stated above is true to the best of my knowledge and belief.

Sukhdeep Singh