

# VIDHI GUPTA

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Targeting assignments with a reputed organisation for  
**Consultant/ Business Analysis/ Project Management**

Industry Preference: IT/ Consultancy/ Pharma/ Life Sciences/ Bio-technology | Location Preference: Overseas

## PROFILE SNAPSHOT

- **M.Tech (Biotechnology)** professional with 3 years of experience in Project Quality Management, Project Management Documentation, System Lifecycle Documentation, Applications Development, Client Requirement Gathering, MIS Management, and Knowledge Transfer/ Knowledge Management
- Skilled in carrying out business analysis entailing requirements gathering, client interactions, liaising between teams, etc.
- Proven abilities in carrying out qualitative & quantitative data analysis by considering in-depth reviews and preparing process documents for the team to determine potential business opportunities
- Efficient in participating in Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), development, and testing to maintenance of proposed applications
- Sound knowledge of **Microbiology, Molecular Biology, Genomics, and Immunology Concepts and techniques such as Plating, Polymerase Chain Reaction etc.**
- Proficient in conducting various Bio-technology researches and tests by applying various concepts, and carrying out various experiments for method development
- Efficient organizer, motivator, team player and a decisive leader with the ability to motivate teams to excel and win

## EMPLOYMENT DETAILS

Since Oct'14

Role: **Associate Business Analyst**

**Infosys Limited, Pune**

**Project Quality Manager for Novartis**

### Key Result Areas:

- End to End Validation planning and Project execution for IT systems following V-model or Agile methodology
- Conduct Software system quality activities for core software applications and customized solutions within agreed timelines
- Risk Assessment
- Conduct comprehensive IT systems validation in close cooperation with all involved departments within IT projects: work closely with project team members and IT vendors throughout the entire IT system/ software development life cycle
- Responsible for defining/documenting quality strategy for IT systems
- Authoring and review of CSV Documents (Quality Plan, Quality Report, Project Plan, Release Plan, Release Report, Requirement, Design, Test Plan, Test Script, Requirements Traceability Matrix, Test Result, and Test Summary Report etc.)
- Review and approval for Change Management and Incident Management. Involved in documentation of Lifecycle development for CSV (IQ, OQ, PQ) and SDLC processes
- 21 CFR PART 11, EU Annex. 11
- Deviation/CAPA Management
- Facilitate/conduct and document Periodic Review Reporting/Quality Review meetings
- Conducting Validation and SOP Trainings
- Providing Consultation in CSV Processes to IT Team and Cross Functional Groups
- Support Audits
- Experience in Excel Spreadsheet Validation

### Significant Accomplishments:

- Successfully performed validation activities for 36 Project. Coordinated with project teams based in different countries and time zones
- Worked on multiple Salesforce.com projects following Agile methodology
- Worked on multiple ALCON projects following V-model/ Agile methodology

**From Oct'13 - Sep'14**  
**Role:**

**Infosys Limited, Chennai as System Engineer**  
**Handling Carefirst Document Writer project using Pega PRPC**

**Key Result Areas:**

- Gathering and analysing requirements and determining those that need a software component; developing the software components as per the requirements
- Handling the design, development, implementation, and testing of Carefirst Document Writer application using Pega PRPC following the Agile SDLC
- Liaising with stakeholders during the course of problem diagnoses, requirements gathering, detailed level design, development, testing of system and production implementation to ensure that optimal resolutions are achieved
- Working from initial product concept to prototyping, serving as a member of the team that used peer review and peer-to-peer testing as part of the design
- Understanding process requirements and providing use cases for business, functional & technical requirements
- Interacting with users for requirement gathering; preparing functional specifications and low-level design documents
- Participating in daily defect meetings with the Project Manager and Development Team; identifying gaps and suggesting relevant solutions
- Creating and sharing the Daily Status Report (DSR) including key highlights, development progress, open defects, number of test cases executed/pending, and so on with the Project Manager

**Significant Accomplishments:**

- Performed **detailed design** of modules such as branded attachments, news and events widget, mass find and update, etc. along with their implementation, development and documentation; integrated software modules developed by other team members, and performed integration testing; successfully implemented the file net attachments, long logo and pre-set values functionalities
- Identified and **fixed** 250+ **bugs** by programming with Pega PRPC

**From Oct'13 - Sep'13**  
**Role:**

**Infosys Limited, Mysore as System Engineer**  
**Trainee**

**Key Result Areas:**

- Vigorous training in Java, PL SQL, XML, RDBMS, Servlets, Java Server Pages, Java Server Faces, JUnit and Log4J
- Underwent Professional skills development training

### **INTERNSHIPS**

May'10 – Jul'10 Project: Role:	Guru Gobind Singh College, Panjab University, Chandigarh as Research Intern GSTT1/ GSTM1 gene polymorphism as a risk for oral carcinogenesis in a North Indian population Involved in Genomic DNA extraction by NAI method from 100 human blood samples (50 cancer cases and 50 normal cases), and PCR standardization and performance (Multiplexing PCR GSTT1 and GSTM1 gene primers) for polymorphism analysis.
Jun'09 – Jul'09 Project: Role:	Vimta Labs Ltd., Genome Valley (Biotech hub of India), Hyderabad as Research Intern Mutation Screening in MDR Samples of Tuberculosis Patients using rpoB gene Involved in Genomic DNA extraction of Mycobacterium Tuberculosis from 80 multi-drug resistant human samples (MTCC vials), primer designing using NCBI and Primer 3 Output softwares, PCR standardization (for rpoB gene) and purification of the amplified product, sequencing of the rpoB gene, screening of mutation in 'hotspot region' using Bioinformatics tools like Clustal W, Muscle, phylogenetic tree, etc.

### **ACADEMIC DETAILS**

2012	<b>M.Tech. (Biotechnology)</b> from Jaypee Institute of Information Technology, Noida with 7.4 CGPA
2011	<b>B.Tech. (Biotechnology)</b> from Jaypee Institute of Information Technology, Noida with 7.3 CGPA
2007	<b>12<sup>th</sup></b> from Lancer's Convent, New Delhi, CBSE Board with 77.6%
2005	<b>10<sup>th</sup></b> from Lancer's Convent, New Delhi, CBSE Board with 83.0%

**Other Courses:**

- PHP course from IT Brain Shapers, Noida in 2010
- MySQL course from IT Brain Shapers, Noida in 2010

**Projects:** Please refer to Annexure

## IT SKILLS

- Insightful knowledge of Pega PRPC 6.2, Turbo C, Data Structures, Java, PL SQL, XML, RDBMS, Servlets, Java Server Pages, Java Server Faces, JUnit and Log4J
- Proficient with NCBI Website, Paint.exe, Adobe Photoshop, Microsoft Office and Internet Applications
- Sound knowledge of bioinformatics, chemoinformatics and protein structure analysis tools like Clustal W, Muscle, Primer 3 Output, Rasmol, T-COFFEE, Uniprot, etc.

## PAPER PUBLICATIONS

- Published the following:
  - 'StreptomycesInforSys: A web-enabled Information Repository' in 2012, Bioinformation (open access - database), Vol. 8, issue 25, pages 1283-1285
  - 'ILL Effects of Tuberculosis Drugs: No More A problem' in 2011, Applied Mechanics and Materials, Vol. 110 – 116, p. 2015-2019, <http://www.scientific.net/AMM.110-116.2015>
  - 'Nano Technology/Networks in Molecular Communication: An Advance Step of Electrical Communications' in 2011, Applied Mechanics and Materials, Vol. 110 – 116, p. 3770-3776, <http://www.scientific.net/AMM.110-116.3770>
- Developed a site <http://sis.biowaves.org/> for searching information related to Streptomyces in 2012
- Presented poster in National Symposium on Microbes in Health and Agriculture known as 'Bioprospecting for Natural Products: Actinomycetes of Desert Biome' in 2012 at Jawaharlal Nehru University (School of Life Sciences), and secured 2<sup>nd</sup> rank among 102 competitors
- Presented paper in Prastuti on 'ILL Effects of Tuberculosis Drugs: No More A problem' organized by Technical Society of JYC (JIVE '11) in 2011 at IIIT, Noida

## PERSONAL DETAILS

Date of Birth:	18 January 1990
Permanent Address:	AD 72C, Pitampura, New Delhi - 110034, India
Contact Address:	A-308, Vaikuntam Apartments, Urapakkam, Near GST Road, Chennai – 603202, India
Languages Known:	English and Hindi
Marital Status:	Single
No. of Dependents:	None
Passport No.:	J6683410
Visa Status:	None
Nationality:	Indian
Driving License:	NA

***Please refer to Annexure for Professional Associations, Academic Projects, and Extracurricular Activities***

**ANNEXURE:****PROFESSIONAL ASSOCIATIONS**

- Serving as a key member of Leadership Team of 'Voice of Youth' Chennai Development Center and putting forth proposals for employee engagement and Chennai Development Center's improvement such as Swach Chennai Abhyan (Marina Beach and Tambaram Railway Station)
- Working as a member of 'Sneham' group in Infosys, Chennai and volunteering for social service by helping kids & old people by implementing different programs such as Become a Santa (BAS), offering gifts to orphan children on Christmas
- Key member of 'Career Forward' program for 10<sup>th</sup> to 12<sup>th</sup> grade school students and counselling for future options
- Member of 'Karunya' group in Infosys, Chennai and carrying out animal adoption & rescue functions

**ACADEMIC PROJECTS**

Title:	Diversity of Actinomycetes in Desert (Thar Desert) Dune Ecosystem
Period:	Aug'11 – May'12
Role:	Isolated Actinomycetes spp. from Thar Desert soil using 8 different types of medium, Soil profiling (total organic carbon content, conductivity and pH), PCR standardization (for 16S r-DNA sequencing and Rep-PCR using BOX A1R primer), Amplification of NRPS (Nonribosomal Peptide Synthetases) gene.
Title:	Molecular Characterization of Indian Streptomyces Isolates using RAPD
Period:	Jun'10 – May'11
Role:	Antibiotic disk diffusion assays: Kirby Bauer method (anti-bacterial/anti-fungal activity check against MTCC pathogenic organisms), genomic DNA extraction of 72 Streptomyces isolates obtained from the soil (from locations: namely Bellary, Kadapa, petrol dumping region and college soil), DNA quantification using NanoDrop UV-light spectrophotometer, PCR standardization (RAPD pcr) performed for those isolates showed activity against MTCC pathogenic organisms.
Title:	Bioactivity of Streptomyces spp. Isolated from Northern Dry Zone of Bellary, Karnataka
Period:	Jun'11 – Jul'11
Role:	Selected media suitable for production of antibiotic for potential isolates using antibiotic assay, performed antibiotic assay against E.coli for selected isolates, salmonella typhi & pseudomonas aeruginosa obtained from human body fluid in diagnostic lab; quantified secondary metabolite (microtitration), etc.
Titles:	1) Polyamines and their Potential Role as Anti-inflammatory Mediators, 2) Prebiotics Effect of Inulin and Oligofructose in Human Gut, 3) Aspects of Sequence Analysis in Transcription Regulatory Elements, and 4) Modulation of Cell Apoptosis in Type 1 Diabetes
Period:	Aug'09 – Apr'10
Role:	Conducted extensive literature study of the topics mentioned above, preparation of presentation followed by discussion with mentor and presented the presentations to jury

**EXTRACURRICULAR ACTIVITIES**

- Chosen in top 10 teams out of 70 in a competition on 'Innovative Marketing Ideas' (Idea: Prefabricated Buildings) in 2010 at JIIT, Noida
- Served as a coordinator of a 'Technical Society' event in college fest (JIVE-X) in 2010 at JIIT, Noida