##### Chintan Panchal



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| 69, Pachvati Park, Ten road  Bardoli,  District- Surat - 394601  Gujarat - INDIA | E-mail: chintan\_d\_panchal@yahoo.in  Cell Phone: +919727126389 |

### **Personal Information**

1. **Name : Chintan Dhansukhbhai Panchal**
2. **Gender:** Male
3. **DOB :** 13/01/1992
4. **Age :** 22 years
5. **Religion:** Hindu
6. **Nationality:** Indian
7. **Blood group:** A+ve
8. **Marital status:** Unmarried
9. **Major/Hereditary Disease:** No
10. **Hobbies :** Photography, Playing Snooker, watching movies, and reading

### **PROFESSIONAL OBJECTIVE**

I would like to be a researcher in the field of Life sciences, to become a successful researcher I want to do PhD as well as Postdoc study from well-known university. I would like to concentrate on basically molecular biological areas such as Different expression systems, Modification in different commercially important proteins, disease resistance development in plants; to be a part of a great research team I would like to expand my present knowledge in different subjects mainly biochemistry, molecular biology, genetic engineering.

### **PROFESSIONAL SUMMARY**

### With advanced training and hands on experience on mammalian cell culture, recombinant protein, purification and characterization from bacterial expression systems as well as using different approach to cure numerous types of cancers using phytochemicals on it, experienced, enthusiastic and adaptive drug development scientist offers superior techniques and optimization skills, combined with commitment to conducting research on biotechnology and life sciences.

**Educational Milestones:**

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| **Degree** | **Institution** | **Year of Completion** | **Percentage** | **Class** |
| **Master of Science**  **(Life Sciences)** | Central University Of Gujarat, Gandhinagar, Gujarat. | June-2014 | **87%** | Distinction |
| **Bachelor of Science**  **(Biotechnology)** | C.G.Bhakta Institute Of Biotechnology, Tarsadi / Veer Narmad South Gujarat University, Surat, Gujarat | May-2012 | **63%** | First |
| **H.S.C.** | Gujarat Higher secondary education board | March-2009 | **54.85%** | Second |
| **S.S.C.** | Gujarat secondary education board | March-2007 | **78%** | Distinction |

**M.Sc. Project Title:**

*“*Pathogenecity and virulence determinants of chickpea blight fungus *Aschochyta rabiei”*

### **TECHNIQUES AND SKILLS:**

**Biotechnological Skills**

**Cell Biology:**

Performed experiments consisting of pH gradients, cell function depending on the pH of different fluids and the procedure of electrophoresis, micronuclei detection, bar-body identification.

**Microbial Ecology:**

Morphological analysis of different bacteria, fermentation of alcohol using yeast, Enrichment and isolation as well as detection and quantifications of microorganisms from the environment, growth curve analysis, fungus and bacterial culture handling.

**Immunology:**

The different tests used to observe antigens and antibodies; immunoassay, Western Blot, and ELISA.

**Chemistry:**

Basic experiments like titration of acid base solution, nomenclature of different compounds using different chemical analysis methods.

**Molecular Biology:**

Polymerase Chain Reaction Assays, Electrophoresis and Gel analysis, Gene Cloning, Preparation of competent cells, gene expression, Transformation, Isolation and Purification of Proteins, Nucleic acids, and their Quantification, Karyotyping, gene and recombinant DNA cloning, genomic PCR, RT-PCR, qRT-PCR, cloning full length genes by PCR, sub cloning to expression vectors, site directed mutagenesis, southern blot, DNA isolation from bacteria, yeast and plant genome,

**Biochemistry:**

recombinant protein expression and purification, separation of proteins by Affinity chromatography , immobilization of proteins with cyanogen bromide, protein quantization with Lowry and Bradford methods, immunodetection and western blot analysis, ELISA, Different Quantitative analysis of carbohydrates

**Instrumentation:**

UV-visible absorption and fluorescence spectroscopy, PCR, con focal microscope, bright field and fluorescence microscopy and plate reading assays

**Computer Skills**

Microsoft Operating systems, Microsoft Office: Excel, Word, Power Point, Publisher, Outlook. Computer Aptitude: Banking applications, Internet, Networking, Multimedia applications. Advanced user on Microsoft Windows and Microsoft Office applications.

Familiarity with search tools and some comparative tools like Ovid, Medline, BLAST, ClustaW, Pubmed, PAIR (public) and MEGA

**AREAS OF EXPERTISE**

* GMP, GLP, and ISO Guidelines, Design of Experiments (DOE)
* Fungus Cell Culture, Cell Transfection.
* Cell-based Assays for Critical Product Quality Attributes (Alamar Blue and Trypan Blue Stainings for Cell Viability, Hemacytometer Cell Counters for Total Cell Count,)
* Membrane Filtrations (Ultrafiltration, Diafiltration and Tangential Flow Filtration)
* Protein Analysis and Characterization ( SDS-PAGE, Blue Staining and Silver Staining, Western Blot, ELISA, UV-vis Spectrophotometry, Densitometry Analysis)
* Documentation Systems (Lab Notebooks, SOPs, BPRs, Process Validation, Quality Control, Technical Reports, Technology Transfer, Expense Budgets, Work Orders and Purchasing Systems)

**SEMINAR/CONFERENCE/WORKSHOP:**

1. **National conference** on “COMMERCIAL USE OF MICROBES IN BIOREMEDIATION AND PLANT PROTECTION” Bioconclave-2012 organized by C.G. BHAKTA INSTITUTE OF BIOTECHNOLOGY.
2. **International conference** on “MITOCHONDRIA IN HEALTH AND DISEASE” During 2nd -3rd November, (2012)organized by School of Life Sciences, Central University of Gujarat, Gandhinagar.
3. **International conference** on “RECENT ADVANCES IN CANCER RESEARCH AND THERAPUTICS” During November, (2013) organized by School of Life Sciences, Central University of Gujarat, Gandhinagar.

**Training**

* 5 Months dissertation work at NATIONAL INSTITUTE OF PLANT GENOME RESEARCH in the plant immunity lab under the guidance of Dr. Praveen Verma (Staff scientist V) and the project entitled as “Pathogenecity and virulence determinants of chickpea blight fungus *Aschochyta rabiei”*

**Language Skills:**

Proficiency in English (IELTS **7.0** Bands overall), German , Hindi and Gujarati language.

**References:**

**Professor:** Dr. Achuit K Singh

**Department**: Assistant Professor in

School of Life Sciences

**Institute:** Central University of Gujarat, Gandhinagar, Gujarat, India-382030

**E-mail:** achuits@gmail.com

**Professor:** Dr. Rana.P Singh

**Department:** Associate professor in

School of Life Sciences

**Institute:** Jawaharlala Nehru University, New Delhi, India

**E-mail:** ranaps@hotmail.com

**Professor:** Dr. Praveen Verma

**Department**: Staff Scientist V **Institute:** National Institute of Plant Genome Research, New Delhi,

India

**E-mail:** pkv@nipgr.ac.in

**Professor:** Dr. Umesh C S Yadav

**Department**: Assistant Professor in

School of Life Sciences

**Institute:** Central University of Gujarat, Gandhinagar, Gujarat, India-382030

**E-mail:** yadav.umesh@gmail.com

**DECLARATION**  
I hereby declare that the above mentioned information is correct up to my knowledge and  
I bear the responsibility for the correctness of the above mentioned particulars.