

## SOLANKI JAYKISHAN JAMANBHAI.

Sarangpipali, Manavadhar  
Junagadh-362630, Gujarat, India  
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Contact No: 009687421837



### ACADEMIC QUALIFICATION

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- Currently pursuing MSc Bioinformatics from Central University of Pondicherry, Puducherry, India
- Completed BSc Bioinformatics in 2020 from Christ College, Rajkot, Gujarat, India (Affiliated to Saurashtra University) with 7.39 CGPA.
- Completed HSC from D. K Bharad Vidhaya Mandir (GSHEB), Junagadh, Gujarat, India with 59.63%
- Completed SSC from Vinay Mandir-Sarangpipali (GSHEB), Gujarat, India with 66.33%

### TECHNICAL SKILLS

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|------------------------------|---|--|
| • Programming Language       | : | Python, R, JAVA, C, C++  |
| • Web Programming Language   | : | HTML, PHP, CSS   |
| • Database Management System | : | MySQL  |
| □ Query language             | : | SQL  |
| □ Graphical Network tools    | : | Neo4J  |
| □ Operating Systems          | : | Microsoft Windows and Ubuntu   |
| □ Bioinformatics tools       | : | ExPASy Tools (For Genomics, Proteomics, Transcriptomics, Metagenomics, Structural Biology, Evolution & Phylogeny, Systems Biology), Galaxy Tools (For Genome Data analysis Specifically NGS), Proteomics tools, Structure Assessment, Cheminformatics, Web-based and standalone CADD Tools |
| □ Docking software           | : | AutoDock, Molegro Virtual Docker (MVD), VLifeSciences software (QSAR and Pharmacophore)  |
| □ Invitro Experiments        | : | Isolation of DNA from bacteria and blood, Isolation Of Plasmid, Dot ELISA, Blood grouping, Estimation analysis of Macromolecules, Precipitation and agglutination reactions, Cultivation and Isolation of Microbes, and different plate streaking methods                                  |

### NOTABLE ACADEMIC ACHIEVEMENTS

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- Won first prize in 13<sup>th</sup> International Science Symposium-oral presentation (8, 9<sup>th</sup> April 2021)
- Won second prize in 12<sup>th</sup> National Science Symposium—oral presentation (January 19<sup>th</sup> 2020)

- Cleared Minaxi-Lalit Examination conducted by Gujarat science academy, Department of botany, bioinformatics and climate change, Gujarat University, Ahmedabad, Gujarat, India.

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## PUBLICATIONS

- **Solanki Jaykishan** and Motivvaras Hiral and John J. George. Functional annotation of selected hypothetical proteins of *Flavobacterium psychrophilum* JIP02/86 (April, 8, 9 2021). *Recent Trends in Science and Technology-2021*(under publication)
- **Solanki Jaykishan** and John J. George and Varghese, Jibin and Patel, Zalak and H. Patel, Ashutosh, In Silico Approach for the Identification of Potential Phytochemical Inhibitors of B-RAF in Papillary Thyroid Cancer (February 6, 2020). In Proceedings of International Conference on Drug Discovery (ICDD) 2020. Available at SSRN: <https://ssrn.com/abstract=3533149>
- **Solanki, Jaykishan** and John J. George and B. Mandaliya Viralkumar. Medicinal Properties of *Annona muricata* Extracts in Various Disease (2020). *Recent Trends in Science and Technology-2020* (ISBN: 9788192952154). pp.126-133, <https://doi.org/10.6084/m9.figshare.13491129>, Available at SSRN: <https://ssrn.com/abstract=3722465>
- **Solanki, Jaykishan** and Dhrangadhariya, Anjani and John J. George. Indian Life Science Journals: A Quest for Recognition, Citation, and Impact (January 19, 2020). *Recent Trends in Science and Technology-2020* (ISBN: 9788192952154). pp.204-213, 2020, <https://doi.org/10.6084/m9.figshare.13491303>, Available at SSRN: <https://ssrn.com/abstract=3722491>
- **Solanki Jaykishan** and Patt Mittal V and George John J. (2020). *In Silico* Analysis of Hypothetical Proteins of *Haemophilus Influenzae* PittGG Strain. In Proceedings of National Conference on Innovations in Biological Sciences (NCIBS) 2020. April 12, 2020, Rajkot, India (ISBN: 978-93-5407322-9). Elsevier-Biology Research Network (BioRN) pp.442-456. Available at SSRN: <https://ssrn.com/abstract=3574587> or <http://dx.doi.org/10.2139/ssrn.3574587>

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## SYMPOSIA PRESENTATION

- Oral presentation on “Functional annotation of selected hypothetical proteins of *Flavobacterium psychrophilum* JIP02/86”, 2<sup>nd</sup> International Science Symposium on Recent Trends in Science and Technology, Christ Campus, Rajkot, Gujarat, India (April 8<sup>th</sup>, 9<sup>th</sup> 2021)
- International online conference on COVID-19: Environmental perspectives organized by Shree Saurashtra Education Trust, Science College, Junagadh, Gujarat, India (10<sup>th</sup> November 2021)
- International Conference on Data Science in Biology (ICDSB), Institute of Bioinformatics (IOB) Bangalore & Indian Institute of Technology (IIT), Jodhpur, India (3-5, 8<sup>th</sup> September 2020).
- Participated in the international symposium on Bioinformatics and Artificial Intelligence in the COVID-19 era and beyond (online) organized by Centre for computational biology & bioinformatics, Amity institute of biotechnology Noida Uttar Pradesh (24-25<sup>th</sup> November 2020) □ January 19<sup>th</sup> 2020, Jaykishan Solanki, Medicinal properties of *Annona muricata* in various diseases, 12<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology (12NSS-2020) at Christ Campus, Rajkot, Gujarat, India (Oral Presentation)

- Oral presentation on “Indian Life Science journals: A quest for Recognition, Citation and Impact”, 12<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology (12NSS-2020), Christ Campus, Rajkot, Gujarat, India (January 19<sup>th</sup> 2020)
- Oral presentation on “Phytochemical properties of *Annona muricata*”, 11<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology (11NSS-2019) at Christ Campus, Rajkot, Gujarat, India (3<sup>rd</sup> February 2019)
- Poster presentation on “Application of Next-generation Sequencing in forensic Science”, 10<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology at Christ Campus, Rajkot, Gujarat, India (11<sup>th</sup> February 2018)

## WORKSHOPS ATTENDED

- Participants in The Guinness World Record event Most users to take part an online Computer programming lessons. (Python) jointly organised by Guvi, Buddi.AI, NEAT and AICTE. (April 24<sup>th</sup> and 25<sup>th</sup> 2021).
- Expert talk on “OMICS” organised by the Department of Microbiology, Christ college, Rajkot, India (20<sup>th</sup> February 2021)
- Online workshop on “Use of Excel in Research” organised by the Department of Microbiology, Christ College, Rajkot, India (17<sup>th</sup> February 2021)
- International workshop on “Tools and techniques to perform Molecular Modelling and ComputerAided Drug Design” organized by the department of medicinal chemistry, NIPER Guwahati, India (11<sup>th</sup> to 17<sup>th</sup> January 2021)
- Webinar on “Advanced Computer-Aided Drug/Biologics Design” organised by Schrödinger and Manipal School of Life Sciences, MAHE (4<sup>th</sup>-8<sup>th</sup> January 2021)
- International webinar on “Artificial Intelligence driven Bioinformatics: precision medicine, clinical Diagnosis, and prognosis”, organized by faculty of Science Mehsana urban Institute of Science, Ganpat University, Kherva, India (18<sup>th</sup> January 2021) □ Webinar on “Science Direct: Read Quality... Publish Quality”, organised by Elsevier and Pondicherry University, India (11<sup>th</sup> December 2020)
- Online International workshop Bioinformatics Organised by Delhi Technical University, India (14<sup>th</sup> 18<sup>th</sup> December, 2020)
- E-learning program on Bioinformatics as Cartography tools in Drug Discovery, Department of bioinformatics, Alagappa University Karaikudi (19<sup>th</sup> to 30<sup>th</sup> May, 2020)
- National Workshop on Advances in Computer-Aided Drug Design and Discovery, organized by Christ College, Sponsored by Department of Biotechnology (DBT), Government of India, Industrial Partner – vLife Sciences (17<sup>th</sup> & 18<sup>th</sup> October 2019)
- BioTecNika Schrödinger Joint Workshop on Computer-Aided Drug Discovery (22<sup>nd</sup> July - 2<sup>nd</sup> August 2019)
- Workshop on National Competitive Examinations for students of Biotechnology & Allied Life Science (11<sup>th</sup> to 14<sup>th</sup> February 2019)
- Training programme on “An introduction, VFX and Multimedia” at Maya academy of Advance cinematics (2018)
- Webinar on “Need of IPR in student Innovation and Entrepreneurship” organised by IIIC-Saurashtra University, Rajkot and Gujarat Technological University, Ahmedabad (10<sup>th</sup> August 2019)

- State level seminar on “Structure and Ligand based Drug Discovery”, Department of Bioinformatics, Christ college, Rajkot, India (21<sup>th</sup> September, 2017)
- State level workshop (Hands-on Training) on Neo4j: A Graph Platform for Life Scientists (3<sup>rd</sup> and 4<sup>th</sup> March 2018)
- National level seminar on Intellectual Property Rights (IPR): Patent & Trademarks jointly organized by Christ College, Rajkot, and SSIP, Saurashtra University, Rajkot, India (21<sup>th</sup> January 2018)

## **CERTIFICATE COURSES**

- Essential of JAVA Script from LetsUpgrade
- Essential of python from LetsUpgrade
- 3D Bioprinting by Altem and Biotechnika

## **EXTRACURRICULAR ACTIVITY**

- Participated in Debate competition Chrizellenz: A National level intercollege cultural euphoria (25<sup>th</sup> September 2019)
- Participated in Corporate Chanakya competition Chrizellenz: A National level intercollege cultural euphoria (25<sup>th</sup> September 2019)
- Educational tour on the occasion of World Tiger day (29<sup>th</sup> July 2019), organized by Natures club, Christ College, Rajkot, Gujarat, India

## **PERSONAL SKILLS**

- Languages Known: Gujarati, English, Hindi
- Sports: Chess
- Photography: Mobile photography, Photoshop, Lightroom and Picsart editing

## **PERSONAL DETAILS**

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• Name	:	Solanki Jaykishan
• Father's name	:	Solanki Jamanbhai
• Date of Birth	:	23 <sup>th</sup> June, 2000
• Nationality	:	Indian
• Blood Group	:	“B” Positive
• Gender/ Marital Status	:	Male/ Single

## **REFERENCES**

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### **Dr. John J. George**

Head, Department of Bioinformatics, Christ College, Rajkot, Gujarat, India.

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**Dr. Yvonne J. Fernandes**

Principal, Christ College, Rajkot, Gujarat, India.

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**DECLARATION**

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Hereby I declare that the above given details are true to the best of my knowledge and belief.