

Contact

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Top Skills

Amazon Bedrock
Generative AI
Scaled Agile Framework

Languages

English (Native or Bilingual)
Telugu (Elementary)
Oriya (Native or Bilingual)
Hindi (Native or Bilingual)

Certifications

Amazon Bedrock AI Agents -
Masterclass
CSIR-UGC NET for Lectureship
Certified SAFe® 6 Practitioner
Generative AI Accreditation
Programme
Bioinformatics National Certification
(BINC)

Honors-Awards

CSIR-Senior Research Fellowship
Biotechnology Entrepreneurship
Student Team (BEST)
CSIR-Junior Research Fellowship
BINC fellowship for pursuing Phd in
India
DBT fellowship for pursuing PhD in
India

Publications

A new role for penicillin acylases:
Degradation of acyl homoserine
lactone quorum sensing signals
by *Kluyvera citrophila* penicillin G
acylase

Priyabrata Panigrahi

Principal Bioinformatician @Velsera, CAPM® (PMI), SAFe®6, PhD
Bioinformatics, DBT-BINC
Chennai, Tamil Nadu, India

Summary

Bioinformatician/Computational Biologist by Profession and a Trainer
by Passion.

Working in academia/industry for past few years have enabled me to
gain wide variety of skills in the field of Genomics | Transcriptomics
| Proteomics | Epigenetics | Microarray | Software development
| Statistics | Machine Learning | Structural Bioinformatics | Drug
Designing | Computational Modeling | Simulations.

In summary a quick learner, meticulous planner and result-oriented
person who believes in innovation and creativity.

Experience

Velsera

Principal Bioinformatician
July 2025 - Present (5 months)

AstraZeneca

Senior Consultant
February 2022 - June 2025 (3 years 5 months)

PierianDx

Senior Bioinformatics Engineer
July 2019 - January 2022 (2 years 7 months)

Innoplexus

Associate Data Scientist
July 2018 - July 2019 (1 year 1 month)
Pune, Maharashtra, India

Persistent Systems Limited

Structural analysis of a penicillin V acylase from *Pectobacterium atrosepticum* confirms the importance of two Trp residues for activity and specificity

Dimensionality reduction in computational demarcation of protein tertiary structures

Structural modelling of substrate binding and inhibition in penicillin V acylase from *Pectobacterium atrosepticum*

Structure mediation in substrate binding and post-translational processing of penicillin acylases: Information from mutant structures of *Kluyvera citrophila* penicillin G acylase

Patents

A method for quorum quenching

Domain Team Lead (Bioinformatics & Life Science)

January 2016 - July 2018 (2 years 7 months)

Pune, Maharashtra, India

Multiomics Research Group

Atreya Innovations

Data Scientist

August 2015 - December 2015 (5 months)

Analysis of Digital Pulse Waves and PPG signals, collected from three pressure points corresponding to Vata, Pitta and Kapha humor, accordingly to Ayurveda.

BioSakshat

Cofounder BioSakshat

2012 - July 2015 (3 years)

BioSakshat

An Academic/Social entrepreneurship with a vision of Empowering Education and Research in Life Sciences through various activities such as Workshops, Lectures, Seminars, Competitions, Scientific Social Networking, Science Outreach and much more.

Website: <http://biosakshat.weebly.com/>

CSIR-National Chemical Laboratory

Research Scholar (PhD)

August 2009 - June 2015 (5 years 11 months)

<http://www.ncl.res.in/>

Completed PhD at Structural Biology group, Dr. C. G. Suresh

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Visiting Faculty, Bioinformatics Centre, University of Pune

2009 - 2014 (5 years)

http://www.unipune.ac.in/snc/bioinformatics_centre/

Training to M. Sc Bioinformatics student at Bioinformatics Centre, University of Pune.

Subjects

- 1) Programming in Perl
- 2) Programming in Object Oriented Languages (Java)
- 3) Introduction to Database Systems (Sql and PISql)

- 4) Scientific Visualization for Data Analysis (using R and Processing)
- 5) Object Oriented Relational Databases

http://www.unipune.ac.in/snc/bioinformatics_centre/

Pillai's College of Arts, Commerce and science
Visiting Faculty
2009 - 2011 (2 years)
Mumbai Area, India

Bioinformatics training to M. Sc Biotechnology students.

Education

University of Pune
Doctor of Philosophy (PhD), Biotechnology, Savitribai Phule Pune
University · (2015)