SANTOSH D. BHOSALE

Highly motivated and results-oriented scientist with extensive knowledge of proteomics research and strong computational abilities. Competent with open tools and technologies for data-driven decision making. Seeking to contribute as a Data Science Professional to make transformative discoveries.

💻 EMPLOYMENT

Jan 2025 | Present

Product Manager
Innoplexus Consulting Pvt. Ltd.   📍 Pune, India
- Leading an effort to develop biomarker module for omics data
- Collaboration with data engineers and data scientists

Aug 2024 | Nov 2024

Associate Scientific Manager
Innoplexus Consulting Pvt. Ltd.   📍 Pune, India
- Data curation for the outputs generated via different modules built to accelerate the drug discovery and development process using AI/ML approach
- Collaboration with data engineers and data scientists in an agile environment

Feb 2023 | Jun 2024

Associate Biomedical Scientist
Cedars-Sinai Precision Biomarker Laboratories   📍 Los Angeles, USA
- Applied mass spectrometry-based proteomics technologies to study the complexity of proteome.
- Presentation of work internally as well as to the clients.

Jan 2020 | Dec 2022

Postdoctoral Researcher
University of Southern Denmark.   📍 Odense, Denmark
- Development of a post-translational modification (Cysteine, N-linked glycosylated and phospho modified) specific biomarkers discovery platform for the diagnosis of disease
- Analysis of PTMomics data.
- Supervised and worked with technician and PhD student as well as work presentaion.

Nov 2018 | Dec 2019

Postdoctoral Researcher
Turku Bioscience   📍 Turku, Finland
- Serum proteomics measurements for type 1 diabetes and carotid atherosclerosis.
- Cellular proteomics and interactomics experiment.
- Designed and presented practical courses on proteomics data analysis.

Nov 2009 | Dec 2011

Project Assistant
National Chemical Laboratory   📍 Pune, India
- Proteomics laboratory work including protein extraction, digestion and cleanup, SDS-PAGE, MS analysis of glycated proteins, oligonulceotides and small molecules

CONTACT INFO

✉ santoshdbhosale@gmail.com

🐙 github.com/santoshdbhosale

🔗 santoshdbhosale.github.io

☁ Google-Scholar

in linkedin.com/santoshdbhosale

SKILLS

Developing solutions for the discovery of biomarkers for precision medicine.

Quantitative analysis, interpretations and visualization of high-dimensional proteomics data using R and Python.

Disease pathway enrichment analysis.

EHR and EMR data analysis and it's correlation with proteomics data.

Reports compilation and work presentation.

Collaboration with clinicians, mass spectrometry experts and data scientists.

TEACHING EXPERIENCE

Jul 2008
|
Nov 2009

Lecturer
JSPMS JSCOPR affiliated to University of Pune   Pune, India

- Taught theory and practicals for pharmaceutical biochemistry and pharmaceutical analysis to the bachelor of pharmacy students
- Supervised undergraduate pharmacy students

EDUCATION

2012
|
2018

University of Turku (Turku Bioscience)
PhD (Medical Microbiology and Immunology)   Turku, Finland

Thesis: Serum proteomics to detect early changes in type 1 diabetes and carotid atherosclerosis

2005
|
2009

Rajasthan University of Health Sciences
Masters in Pharmaceutical chemistry   Jodhpur, India

Thesis: Identification of new interacting Protein partners of Ibuprofen and Analgin by Proteomics approach