

Gowri Suresh

Master Graduate

Mysuru | Karnataka | India

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OBJECTIVE

'Driven bioinformatics and data science enthusiast dedicated to achieving excellence through focused effort, proactive, problem-solving, and a positive mindset. To leverage my expertise in ongoing organizational projects while continuously enhancing skills, and aiming to contribute effectively in dynamic research environments.'

EDUCATION

11/2021 – 7/2023	MASTER OF SCIENCE, BIOINFORMATICS JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, MYSURU, INDIA Major Subjects: Molecular Biology, C Programming, R Programming, Cancer Biology, Python Programming, MATLAB, Structural Bioinformatics, Computer-aided Drug Design, Immunoinformatics CGPA: 8.61/10.0 Master Thesis: "Comparative Performance Analysis of Random Forest and CNN for Brain Tumor Detection and Classification in MRI Imaging"
06/2018 – 10/2021	BACHELOR OF SCIENCE, BIOCHEMISTRY, MICROBIOLOGY, BIOTECHNOLOGY (BMBT) UNIVERSITY OF MYSURU, MYSURU, INDIA JSS COLLEGE FOR WOMEN, MYSURU, INDIA Major Subjects: Immunology, Medical Microbiology, Metabolism, Genetic Engineering, Molecular Biology, Bioanalytical techniques CGPA: 7.8/10.0

PROJECTS

3/2023 – 7/2023	Dissertation - JSS Academy of Higher Education & Research "Comparative Performance Analysis of Random Forest and CNN for Brain Tumor Detection and Classification in MRI Imaging" <ul style="list-style-type: none">Aggregated multiple MRI image datasets from Kaggle and pre-processed for a better prediction by denoising, enhancing and segmenting using region of interest.Built a random forest and a CNN model in scikit-learn and keras (Tensorflow) to improve the accuracy and precision of the detection and classification of MRI of the brain tumor. Tools: Jupyter Notebook, Git Language: Python OS: Windows Concepts: Machine learning, Deep Learning
10/2022 – 2/2023	Internship -JSS Academy of Higher Education & Research "Identification of MAPKAPK2 (MK2) Non-Competitive inhibitors via in-silico analysis" <ul style="list-style-type: none">Screened ligands from BindingDB database and prepared the protein and ligands for the molecular docking studies for the identification of non-competitive inhibition of MAPKAPK2 protein.Identified 6 possible ligands through visualization of interactions and ADMET profile of the ligands.

Tools: PyMol, Chimera, Autodock tools, PyRx, Discovery Studio Visualizer, Avogadro 2.0 |
Databases: BindingDB, ChemSpider | **Concepts:** Structure-based Drug Design, Virtual

SKILLS

Programming Languages	Python, R C, MATLAB, SQL	Intermediate Basic
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Tools	PyMol, Chimera, Cytoscape, Avogadro 2.0, AurgusLab, Discovery Studio Vizualizer, AutoDock Tools, AutoDock 4.2. PyRx, KNIME
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LANGUAGE SKILLS

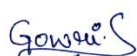
Kannada	Native
English	Negotiation

CERTIFICATIONS

- Certification of Appreciation for Poster Presentation titled “ Machine Learning and Deep Learning Models for Brain Tumor Detection and Classification of Magnetic Resonance Images” at International conference on “One Health: Biotechnology As A Catalyst For Sustainable Development (Heal-BioTec – 2023) organized by JSS ACADEMY OF HIGHER EDUCATION & RESEARCH and sponsored by DST-SERB, DBT and CSIR
 - Certification of Bioinformatics workshop: Cheminformatics in Drug Design
 - Certification of Bioinformatics: Application and Algorithms by NPTEL
 - Certification of complete python programming from beginners to advance
 - Participated in a four-day cloud-based hands-on workshop on computational structure-based design, biologics design, and quantum mechanics organized by Schrodinger
 - Participated in a two-day workshop on hands-on training in a wet lab organized by IIT Madras
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PERSONAL INTERESTS

Painting, playing shuttle badminton



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