Shricharan Senthilkumar

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🔗 https://shricharan37.github.io/   ⌨ shricharan37

Education

Bachelor of Technology in Bioinformatics   October 2021 – present
SASTRA Deemed University, Thanjavur ↗
Current CGPA - 9.075

Higher Secondary Education   May 2019 – August 2021
D.A.V. Public School, Velachery ↗
Secured 91.6% in 12th grade

Professional Experience

Summer Undergraduate Research Exposure (SURE) Intern   June 2024 – July 2024
Indian Institute of Technology, Hyderabad ↗
- Provided technical support for research projects and works

Skills

Technical Skills
Machine Learning, Data Analytics, Web Scraping, Python, C++, SQL

Non-Technical Skills
Problem-Solving, Event Management, Team Building, Public Speaking, Adaptability

Projects

IoT-Enabled Jaundice Prediction System for Neonates
Developing a low-cost IoT-based system to predict jaundice in neonates using sensors and ML algorithms.

ImmFinder: A Multimodal Deep Neural Network for Immune Gene Classification
Developed a DL model to utilise a multi-modal training approach to classify immune genes

Machine learning - based model generation to functionally annotate LPMOs ↗
Developed an ML model using 3D structural features to classify cellulolytic and chitinolytic LPMOs

Publications

Surface exposed and charged residues drive thermostability in Fungi ↗
Senthilkumar S, Mahesh S, Subachandran J K Yennamalli RM (2023) Surface exposed and charged residues drive thermostability in Fungi PROTEINS: Structure, Function, and Bioinformatics

Competions and Awards

Second Place, 2023-2024 ISCB English Wikipedia Competition
International Society for Computational Biology (ISCB)
- **Awarded for exceptional contributions to the Wikipedia article on comparative genomics**

Positions of Responsibility

Team Lead | 300DPI - The official Design and Development Team of SASTRA ↗   May 2024 – present

Design Team Lead | Developer Community SASTRA & Google Developer Student Clubs, SASTRA ↗   April 2023 – April 2024