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ARYA M S

CAREER OBJECTIVE

Biotechnology graduate transitioning into IT with a strong interest in front-end development. I enjoy building responsive interfaces, clean UI layouts, and well-styled components while improving my debugging and design skills. With a background in bioinformatics, I bring analytical thinking and problem-solving to my creative work. I'm currently learning modern front-end frameworks, interactive design, and animations to craft engaging user experiences, and I'm seeking a role where I can contribute to intuitive, user-focused digital products and grow as a front-end developer.

PROJECTS

Portfolio

Frontend Project | November 2025

<https://aryams27.github.io/Arya-Portfolio/>

Description:

Built a fully responsive and visually clean personal portfolio website.

Technologies Used:

HTML5, CSS3, JavaScript, JQuery and Bootstrap 5

MindEase – Responsive Website

Frontend Project | November 2025

<https://aryams27.github.io/MindEase-Website/>

Description:

Developed a responsive wellness site with meditation, mindfulness programs and user support.

Technologies Used:

HTML5, CSS3, JavaScript, Bootstrap 5

EXPERIENCE

Project-Intern

Department of Computational Biology & Bioinformatics, University of Kerala

June 2025 – September 2025

Project Title: Prediction of Dengue Virus Inhibitory Phytochemicals Through Deep Learning Models

Curated phytochemical data with SMILES representations and RDKit-based molecular descriptors, and retrieved dengue virus protein sequences from PDB for antiviral target analysis. Preprocessed and encoded SMILES and FASTA sequences using Python (pandas, NumPy) to train a TriFusionDTA model integrating BiGRU, Transformer, and Dilated CNN layers, achieving a CI of 0.8276 and 77% accuracy. Documented the entire workflow in Google Colab.

EDUCATION

B.Tech in Biotechnology

College of Agriculture, Vellayani

Kerala Agricultural University

2021 - 2025

SKILLS

Web Development:

HTML|CSS | JavaScript | JQuery | Bootstrap

Tools & Platforms:

Git | GitHub | Visual Studio Code | Eclipse | PyCharm

Programming Languages

Python (Basic)

R (Basic)

C (Intermediate)

Machine Learning

Drug–Target Prediction

Feature Extraction

Model Training

Bioinformatics

MEGA | PyMOL | AutoDock Vina

Discovery Studio | Docking

Primer Designing

Sequence Assembly

Homology Modeling

CERTIFICATES

Basics of Python Programming

Centre of e-Learning, KAU

NGS Data Analysis

CBIRT

Molecular Docking

Research Boulevard Technologies