

Phone: +91 9746910943

Email: [aryashibu27@gmail.com](mailto:aryashibu27@gmail.com)

LinkedIn: <https://www.linkedin.com/in/arya-m-s-13892b280>

GitHub: <https://github.com/aryams27>

# 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