

S ADWAITHA

3rd Year B.Tech Student – Computer Science and Engineering
Amrita Vishwa Vidyapeetham

+91 8590752435 — [Github](#) — [Portfolio](#)

Objective

To pursue opportunities in computer science where I can apply my technical skills and continuously learn new technologies.

Academic Details

Year	Degree	Institute	CGPA / %
2023 – Present	B.Tech in Computer Science and Engineering	Amrita Vishwa Vidyapeetham	7.86 / 10
2023	Class XII (CBSE)	Palghat Lions School	87.4%
2020	Class X (CBSE)	Palghat Lions School	95.2%

Projects

SmartPKU – Edge-Fog Phenylalanine Monitoring

[GitHub](#)

iFogSim-based edge-fog simulation implementing two-level threshold detection with dietary recommendations and emergency alerts.

ValueCentric – Blockchain Supply Chain System

[GitHub](#)

Solidity smart contracts for immutable supply-chain event recording, demonstrated using Ganache and Hardhat.

Habit Tracker Web Application

[GitHub](#)

Web-based application for daily habit tracking with progress visualization to promote consistency.

GA-Based Solution for the 0/1 Knapsack Problem

[GitHub](#)

Genetic Algorithm implementation with generation-wise optimization analysis and Excel-based result visualization.

Gyroscope-Based Movement Controller (STM32F4)

[GitHub](#)

STM32F4-based controller converting real-time gyroscope orientation into gesture-driven control signals.

Technical Skills

Languages: Python, C/C++, Java, JavaScript, SQL, HTML/CSS

Tools: Git, Linux, VS Code, Eclipse, Wireshark

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn

Domains: Blockchain (Solidity, Web3), Edge Computing (iFogSim), Embedded Systems

Internship Experience

Metatron Cube Software Solutions

June 2025 – Present

Frontend Developer Intern (Remote)

Achievements & Activities

Coordinated and managed the **Gokulashtami celebration** at Amrita Vishwa Vidyapeetham

Volunteered for the **Game Development Workshop** conducted during **Anokha 2026**, contributing to event logistics and participant coordination.

Member of the **Model United Nations (MUN) – Delegate Affairs and Hospitality** team, responsible for delegate coordination and event operations.

Demonstrated strong people management, teamwork, and organizational skills while working with diverse teams and handling multiple responsibilities.

Certifications

Introduction to Cyber Security - Cisco Networking Academy Issued: Jan 09, 2026

Certification covering core cybersecurity concepts including online threats, network security, and secure computing practices.

Publications

Empowering STEM Education Through Robotics - Presented (Online), NIT Goa [Link](#)

A Comparative Performance Analysis of Classical Genetic Algorithm on Solving 0/1 Knapsack Problem Instances — Submitted