

ABITHA UDAYAN

Web & ML Enthusiast

@abithaudayan0110@gmail.com

(+91) 8075235605

Thiruvananthapuram, Kerala, India

abitha-udayan-8bb9ab1a2

Abitha-01

Portfolio

ABOUT ME

Computer Science Engineering graduate with hands-on experience in software development, machine learning, and web technologies. Proven ability to lead projects, collaborate in teams, and apply problem-solving skills to real-world challenges. Eager to contribute to innovative tech solutions while continuously upskilling in areas like ML and full-stack development.

EDUCATION

BTech in Computer Science Engineering

Government Engineering College Idukki

2021 - 2025

Painavu, Idukki, Kerala

Class 12

Navajeevan Bethany Vidyalaya(CBSE)

2020 - 2021

Nalanchira, TVM, Kerala

Class 10

Navajeevan Bethany Vidyalaya(CBSE)

2018 - 2019

Nalanchira, TVM, Kerala

PROJECTS

COLLEGE COUNSELLING APP (2024)

- Developed a Flutter-based web app to enable seamless student-counselor communication.
- Features include anonymous public queries, meeting reservations, attendance tracking with download support, meditation resources, and intuitive UI tools.

KERALA MURAL PAINTING RESTORATION (2024-25)

- Conducted a comparative analysis of traditional (CLAHE, Navier-Stokes, etc) and deep learning (U-Net, Deep Image Prior) restoration techniques.
- Built a VGG-16 model to classify images as faded or cracked, and integrated the most effective restoration method into a responsive website (HTML, CSS, JavaScript & Flask) that applies techniques automatically based on classification.

ACHIEVEMENTS

- Third Prize in Inter-College Hackathon - 2024
- Qualified IEEE Xtreme-17 - 2023
- Qualified NPTEL - Introduction to Programming in C (Elite Certificate) - 2023

SKILLS

Programming Languages: C, Python, Java (Basics)

Web Technologies: HTML, CSS, Tailwind CSS, JavaScript, SQL, Firebase

Frameworks & Libraries: Flask, Flutter, OpenCV, TensorFlow, Keras, Numpy

Currently Learning: MERN Stack (MongoDB, Express.js, React.js, Node.js)

Tools & Platforms: GitHub, Git, VS Code, Google Colab, PowerPoint, LaTeX

Soft skills: Team leading, Team Management, Creative thinking, Adaptability

Methodologies: Agile

LANGUAGES

English (Fluent)

Malayalam (Native)

INTERNSHIPS

IBM SkillsBuild Summer Internship Program with CSRBOX on Artificial Intelligence - Online, June 2024 -August 2024

- Gained hands-on exposure to AI tools, ethical AI use, and basic deployment practices.

Internship on AI mouse using Computer Vision - Onsite 2023 (5 days)

- Built a virtual mouse system using hand tracking with OpenCV and Python.