ABITHA UDAYAN

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in abitha-udayan-8bb9ab1a2 Abitha-01

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

SKILLS

Programming Languages: C, Python, Java (Basics)

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

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

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

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 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 exam with Elite certificate for Introduction to Programming in C**
2023

INTERESTS

Software Development

Full-Stack Development

Software Testing

Machine Learning

Artificial Intelligence

LANGUAGES

English (Fluent)

Malayalam (Native)

INTERNSHIPS

IBM SkillsBuild Summer Internship Program with CSRBOX on Artificial Intelligence

📅 2024 📍 Online

Internship on AI mouse using Computer Vision

📅 2023 📍 Onsite