ATHITHYA P

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ABOUT ME

A highly motivated and detail-oriented individual with a strong analytical mindset and a passion for problem-solving. I thrive in dynamic environments that challenge me to think critically and innovate. With a keen eye for perfection and a commitment to continuous learning, I excel both independently and as part of a team. Adaptability, creativity, and a results-driven approach define my work ethic, making me eager to contribute and grow in a professional setting.

EDUCATION

Kuyilappalayam Higher Secondary School   Auroville - India
HSC:**83%**   SSLC:**96%**   **June 2019 - May 2021**
Bannari Amman Institute of Technology   Sathyamangalam, India
CGPA: **7.00**   **Oct 2022 - April 2026**

SKILLS SUMMARY

- **Languages**:   java, c, golang.
- **Creative Skills**:   video editing, UI/UX design.
- **Frameworks & Libraries**: Pandas, Numpy, Tensorflow, Keras.
- **Tools**:   Excel, PowerPoint, Word,Adobe premere pro, After effects.
- **Platforms**:   Visual Studio Code, Google Collab, Github, Intelg idea, figma.
- **Soft Skills**:   People Management, Excellent communication
- **Communication:**   Tamil, English.

EXPERIENCE

Freelance video editor in Game On Solution Pvt   **Sep 2024 - Aug 2025**
        Edited and produced high-quality video content for **GameOn Solutions pvt**, enhancing brand engagement and marketing efforts. Optimized video assets for various platforms, ensuring timely delivery and adherence to project specifications. Collaborated effectively with cross-functional teams to achieve project goals.

PROJECTS

Neurodegenerative Disease Diagnosis Web Application

- Developed an AI-powered web application for early detection of neurodegenerative diseases (e.g., Alzheimer's) using MRI image analysis, rectifying delays in traditional diagnostic processes.
- Implemented a Convolutional Neural Network (CNN) to interpret MRI scans, providing a rapid, automated solution for initial disease prediction, thus reducing reliance on manual, time-consuming assessments.
- Created a comprehensive informational hub within the application to enhance public and professional understanding of Alzheimer's Disease, bridging knowledge gaps and fostering awareness.

Developed an Automated Ventilator with Integrated Health Monitoring & GSM Oxygen Alerts

- Engineered a medical device providing precise mechanical ventilation, continuous vital sign tracking (heart rate, BP, SpO2), and immediate mobile alerts for critical oxygen levels or vital parameter deviations.
- Enhanced Patient Safety & Timely Intervention: Rectifies delayed critical care response by delivering real-time patient data and automated alerts, ensuring prompt medical attention and improving patient outcomes in clinical settings.

Biomedical Support Ticket system

- Developed a full-stack Biomedical Support Ticket system using **React.js** for the frontend and **Go (Gin framework)** for the backend.
- Rectified critical cross-origin resource sharing (CORS) errors by implementing robust **gin-contrib/cors** middleware configurations, ensuring seamless communication between frontend and backend.
- Engineered a user-friendly application for efficient ticket tracking and management, improving biomedical support workflows and data integrity.

HOBIES & SPORTS

- Photography
- Video editing
- Badmiton
- Cricket