DHANESHWAR R

Mayiladuthurai, Tamil Nadu - 609001

+91 9360752317 | dhanesh10war@gmail.com | GitHub: https://github.com/dhanesh10war | LinkedIn: linkedin.com/in/dhaneshwar-r

PROFESSIONAL SUMMARY

Adaptable and results-driven Software Developer with expertise in Full-Stack Development, Machine Learning, and Embedded Systems. Experienced in delivering AI-powered solutions, API development, and real-time data processing. Skilled in cross-functional collaboration, Agile methodologies, and deploying high-performance systems that improve efficiency and accuracy.

EDUCATION

A.V.C. College of Engineering Mayiladuthurai, Tamil Nadu
B.Tech Information Technology - 2026
CGPA: 7.0

DBTR National Higher Secondary School, Mayilladuthurai, Tamil Nadu
HSC (XII), State Board -2022
SCORE: 78.3 %

DBTR National Higher Secondary School, Mayiladuthurai, Tamil Nadu
SSLC (X), State Board - 2020
SCORE: 74.4 %

SKILLS

- **Programming Languages**: Python, Java, SQL, C, Solidity
- **Web Development**: HTML, CSS, JavaScript, Node.js, React
- **API Development:** REST API, JSON
- **Frameworks & Libraries:** Pandas, Numpy, PyTorch, OpenCV, YOLOv5, Express.js
- **Version Control & Tools:** Git, GitHub, Jupyter Notebook, VS Code, Arduino IDE, MongoDB
- **Core Concepts:** OOP, Problem-Solving, Agile/Scrum
- **Technologies:** Blockchain, GenAI
- **Soft Skills**: Teamwork, Communication, Adaptability

INTERNSHIPS

Embedded System & IoT Intern | ARMADA Industrial Automation, Thanjavur | 06/2025 – 07/2025

- Developed **IoT-based solutions**, including a **Drone Detection System** for aerial activity tracking in simulated defense scenarios.
- Created a **4-wheel IR-controlled vehicle** and explored fundamentals of **image processing.**
- Gained practical experience in **sensor interfacing, wireless communication,** and **embedded systems design**.
- Tools: **Arduino IDE, Python, C**

PROJECTS

1.Phoenix 360 – AI-Powered Women's Safety Surveillance System

(TANSAM Hackathon Project, 2025)

- Developed an **AI-powered gender detection** and **audio distress recognition** system using pre-trained CNN models, **OpenCV**, and **blockchain** for tamper-proof logging.
- Enabled **instant alert generation** and **threat tracking** for public safety deployment.
- Improved recognition accuracy in test environments by **18%** through dataset augmentation.

2.AI-Driven Defense Training Simulator

(Internship Project at ARMADA in collaboration with Indian Air Force, 2025)

- Built real-time object detection models using **YOLOv5**, **PyTorch**, and **OpenCV** to detect drones and track soldier engagement in simulated combat.
- Integrated **data-driven feedback loops** for performance evaluation, tracking accuracy, hit rate, and reaction time.
- Enhanced simulation realism, increasing target recognition speed by **22%.**

POSITIONS OF RESPONSIBILITY & ACHIEVEMENTS

- Contributed as a core team member in a **5-member team** to the **finale round of TANSAM Hackathon.**
- Participated in **5G Hackathon**, advancing the regional round and awaiting prototype funding.
- Collaborated with teammates to reach the **pre-finals** in Stratify Startup Hackathon through technical contributions.

CERTIFICATIONS

- **Amazon Junior Software Developer Professional Certificate:** Amazon via Coursera (Completed)