AMARNATH V

AUTOMATION QA ENGINEER

○ DETAILS ○

N0. 285, TSUNAMI HOUSE,
PUTHUPETTAI,
MAYILADUTHURAI, 609313,
India
+91-8778902909
amar98.v@gmail.com

Date of birth
24/11/1998

○ SKILLS ○

Python

Automation HIL Testing

MS Excel

UAV Operations

Drone Functional Test

Data Analysis

○ COURSE ○

PGP in Data Science and Engineering
GREAT LEARNING
Jan 2023 — Oct 2023

○ LANGUAGES ○

English

Tamil

PROFILE

Dynamic Verification and Validation (V&V) / Testing Engineer with experience in automation testing and Drone development. Currently a Director at SkyX Aerospace, leading drone development and functional testing. From previous Experience, skilled in HIL simulation Testing, dSpace Control Desk, Automation Desk, CANalyzer, Python, and Test Bench setups. Experienced in Android-based vehicle display testing and protocol analysis (CAN, J1939). Strong problem-solving, communication, and teamwork skills. Committed to continuous improvement and technical excellence, with ongoing contributions to drone testing and a background in Data Science and Engineering.

EMPLOYMENT HISTORY

Head - UAV Dev and Testing at SKYX AEROSPACE PVT LTD, Coimbatore
June 2022 — Present

As a valued member of SKYX Aerospace Pvt Ltd's Drone Development and Testing team, specialized in designing, prototyping, and integrating components for custom and commercial drones across various sectors. Responsibilities encompass conducting comprehensive functional, flight, environmental and compliance testing to ensure optimal drone performance and regulatory compliance.

INTERN - TESTING ENGINEER at L&T TECHNOLOGY SERVICES, Navi Mumbai
August 2021 — May 2022

Worked in custom Python libraries to create a robust and scalable test automation framework for Vehicle software end-to-end testing. Proficient in utilizing a diverse toolset including dSpace Automation Desk, Control Desk, Vector CANalyzer, Python, Test suite, XML and Excel. Experience in interpreting system requirements to create Test cases and language translation using OCR libraries.

INTERN at INNOSPIRE ELECTROTECH PVT LTD, COIMBATORE
March 2020 — June 2020

As an intern, I was actively involved in Home Automation and IoT-related projects. My role included designing and developing smart home systems, integrating IoT devices, and ensuring seamless connectivity and automation.

EDUCATION

B.E – Electronics and Communication Engineering (CGPA: 6.9)
P.S.G. COLLEGE OF TECHNOLOGY, COIMBATORE
July 2016 — July 2020

M.Tech – Communication Engineering (CGPA: 8.4)
VELLORE INSTITUTE OF TECHNOLOGY, Vellore
August 2020 — May 2022

PUBLICATIONS

Sustainable Digital Technologies for Smart Cities
September 2023

Implementation of Water and Air Quality Monitoring System for Smart Agriculture using LoRa