

JUAN JOE EDATTUKARAN

Edattukaran house P.O Mala Thrissur district Kerala Pin 680732
+91 8815669522 ◊ juanjoeedat@gmail.com ◊

EDUCATION

Bachelor of Engineering in Computer Science and Engineering (Specialization in Cloud Computing and Automation)	September 2022 - October 2026
Vellore Institute of Technology Bhopal	
HSC (CBSE), Class XII	April 2021 - March 2022
Sharjah Indian School - Boys Branch, Juwaiza Sharjah, U.A.E, 82%	

TECHNICAL SKILLS

Core Technologies:	Python, HTML, CSS, SQL, MongoDB, Flask, AWS, Git, GitHub, Excel, Docs
Domain Expertise:	Full-Stack Development, Database Management, Machine Learning, REST APIs, System Design, CI/CD, Cloud Automation, DevOps Fundamentals, MATLAB

PROJECTS

Self-Checkout Counter	July 2023 - August 2023
<i>Major Project as a part of curriculum</i>	
<ul style="list-style-type: none">Engineered a full-stack self-checkout system using Python, MongoDB, HTML, and CSS, optimizing performance to process 50+ transactions/hour/unitImplemented barcode/QR code scanning with 95%+ accuracy and real-time billing for 200+ product entriesEnhanced inventory management through real-time stock tracking and multilingual UI with sub-2-second operation flow	
Hospital Management Database	May 2024 - July 2024
<i>Personal Project</i>	
<ul style="list-style-type: none">Developed a comprehensive hospital management platform using Python, Flask, MongoDB, HTML, and CSS, scaling to handle 1000+ patient and doctor recordsAutomated appointment booking, medical history access, and prescription generation, reducing manual workload by 40%Implemented email reminder system, decreasing patient no-show rates by approximately 30%	
Tranquillising Dart Drone	December 2025 - April 2025
<i>(Engineering Projects in Community Service) Team Project</i>	
<ul style="list-style-type: none">Oversaw hardware selection and integration of sensors/power systems, achieving 100% operational reliability during controlled test flightsUtilized SolidWorks for CAD modeling and ANSYS for FEA/CFD analysis to validate structural integrity and aerodynamic performance under operational loads.Achieved 92% success rate in tranquilliser dart delivery through stable component integration and sensor accuracy	

EXTRA-CIRRICULAR

- Winner, Ecom-Thon – Secured 2nd/3rd Position in a competitive event during the 4th Techno-Cultural Fest. February 2023
- Disciplinary Committee Member for Malayalam Club (regional), upholding organizational standards and ensuring a safe. November 2022 - March 2025
- Languages : English(Full Professional) , Hindi(Professional Working) , Arabic(Limited Working), Malayalam(Native)