JUAN JOE EDATTUKARAN

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PROFESSIONAL SUMMARY

Computer Science Engineering student with hands-on experience in full-stack development using Python, Flask, and SQL/MongoDB. Built scalable systems handling 1000+ records and real-time transactions. Seeking internship or entry-level roles in software development or cloud-based systems.
Visa Status: Residential visa and valid U.A.E. Driving License

TECHNICAL SKILLS

Programming & Web: Python, SQL, HTML, CSS, JavaScript
Backend & APIs: Flask, REST API Development, Secure API Integration
Databases: MongoDB, MySQL
Cloud & DevOps: AWS (Basics), Git, GitHub
Systems & Tools: VS Code, Jupyter Notebook, Google Colaboratory
Productivity Tools: Excel, PowerPoint, Google Docs, LibreOffice

PROJECTS

Self-Checkout Counter | GitHub — July 2023 - August 2023
Major Project as a part of curriculum

Automated checkout solution to reduce billing time and improve transaction efficiency in retail environments.

- Developed a full-stack billing application with barcode/QR-based product scanning
- Achieved **50+** transactions per hour per unit with **95%+** scanning accuracy
- Implemented real-time inventory tracking for **200+** product entries with optimized UI flow

Hospital Management Database | GitHub — May 2024 - July 2024
Personal Project

Web-based system to digitize hospital administrative workflows and centralize patient data management.

- Designed backend modules using **Flask and MongoDB** to manage **1000+** patient and doctor records
- Implemented appointment scheduling, prescription management, and email notifications, reducing manual administrative effort
- Optimized database operations for fast and reliable access to medical and appointment records

Tranquilising Dart Drone | GitHub — December 2025 - April 2026
(Engineering Projects in Community Service) Team Project

Engineering system designed to safely deliver tranquilizer darts using controlled aerial deployment.

- Designed and validated drone components using **SolidWorks and ANSYS (FEA & CFD)**
- Integrated sensors and power systems to ensure stable and reliable flight performance
- Achieved **~92%** successful dart delivery rate during controlled testing

EDUCATION

Bachelor of Engineering in Computer Science and Engineering — September 2022 - Present
Vellore Institute of Technology

(CBSE), Class XII — April 2021 - March 2022
Sharjah Indian School - Boys Branch, Juwaiza Sharjah, U.A.E

EXTRACURRICULAR ACTIVITIES

- **Disciplinary Committee Member, Malayalam Club** — Ensured adherence to organizational guidelines and supported event coordination — November 2022 - March 2025
- **Ecom-Thon Participant / Winner (2nd/3rd Place)** — Recognized for technical problem-solving during a competitive techno-cultural event — February 2023
- Languages — English(Full Professional) , Hindi(Professional Working) , Arabic(Limited Working), Malayalam(Native)