

YABIN JOEL I

+91-9342901190 ◇ Coimbatore

yabinjoel2003@gmail.com ◇ [LinkedIn](#) ◇ [GitHub](#)

SUMMARY

Innovative and Passionate Mechatronics Engineer with expertise in integrating mechanical, electrical, and programming systems. Skilled in designing cutting-edge solutions, including autonomous drones and programming skills. A proactive problem solver with strong leadership and communication skills, committed to delivering efficient, user-friendly, and impactful technological solutions while fostering collaboration and innovation.

EDUCATION

B.E. Mechatronics Engineering, SKCET Expected 2025
CGPA: 8.11

Higher Secondary Education, Infant Jesus Matriculation Higher Secondary School, Devakottai 2021
Percentage: 93.6%

Secondary Education, Infant Jesus Matriculation Higher Secondary School, Devakottai 2019
Percentage: 92.95%

PROJECTS

Fabrication of a Rescue Drone (UAV)

- Designed and fabricated a GPS-enabled autonomous drone with real-time data transmission, integrated fpv cameras, and sensors for efficient rescue operations.
- Enhanced navigation and operational efficiency by utilizing location APIs to pinpoint user locations accurately.

Front-End Projects (HTML, CSS, JavaScript)

- Developed web applications like an E-commerce site with a shopping cart, a portfolio website with animations, and a login form using HTML, CSS, and JavaScript, focusing on responsive design.

Food Ordering Application (Python, MongoDB,)

- Created a robust food ordering system with an intuitive interface using Flask framework for the backend, MongoDB for database management that stores and handles the users data, and Python for server-side logic.
- Integrated functionalities for users to browse, add, update, and delete food orders, ensuring smooth operation and usability.

CERTIFICATIONS & WORKSHOPS

- Certified in **Technical English for Engineers** by NPTEL-IIT (Elite) 2022
- Certified in **Soft Skills Development** by NPTEL-IIT (Elite) 2023
- Certified in **MongoDB** by **ICT Academy**
- Attended **Workshop and Hands-on Training on UAVs** by Sky-Riders
- Participated in **Innovative Product Design Using Additive Manufacturing** by 3D-Crafts

SKILLS

| | |
|----------------------------|---|
| Technical Designing | Python, HTML, CSS, JavaScript, Flask, MongoDB, MySQL, Figma ,Word |
| Soft Skills | AutoCAD, Creo |
| Languages | Leadership, Communication, Problem-Solving, Teamwork |
| | Tamil, English |