



ALOYS JEHWIN



Bachelor of Engineering
Electronics and Communication
Loyola-ICAM College of Engineering and Technology-Chennai

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EDUCATION

| Degree | Institute/Board | CGPA/Percentage | Year |
|-----------|---|-----------------|----------|
| B.E., ECE | Loyola-ICAM College of Engineering and Technology | 7.6 CGPA | Jun 2025 |
| HSC(+2) | SAV Balakrishna Mat Hr Sec School | 85.5 Percent | Arp 2021 |
| SSLC-10Th | SAV Balakrishna Mat Hr Sec School | 83.3 Percent | May 2019 |

INTERNSHIP

- Invent Controls**  Nov 2023 - Feb 2024
Software Developer Chennai, India
 - Developed a **power management system** achieving **precise data** in **industry power consumption**
 - Implemented with **time series forecasting algo**, enhancing **current reading accuracy** by **70 Percent**
 - Conducted analysis on **real time data**, identifying **key variations**
 - Presented findings at **KLEOS-24**, receiving an **special award**
- Tamizh**  Jan 2024 - Feb 2024
Software Developer Remote
 - Designed modular framework with **OOP**, boosting code reuse by **25 Percent**
 - Optimized an **VR app** performance with custom data structures, reducing **memory usage**
 - Enhanced **reliability** with robust exception handling, reducing **runtime errors**
 - Ensured quality through **unit testing** and code reviews.

PROJECTS

- AVSAR: Sense'It an HeadBand for deaf and blind** Jun 2023 - Nov 2023
Tools: Android Studio, Raspberry Pi 
 - Developed an **headband** for **dual sensory loss people**
 - Implemented **with necessary sensor's** for them to do **day-to-day task**
 - Created with **Raspberrypi** as **control unit**, ensuring **zero latency**
 - Applied in **real time usage** to analyze **noted outcome**
- PANIIT Submit: Made an app for Health** Dec 2023 - Jan 2024
Tools: AndroidStudio 
 - Designed **native application** for **Health monitoring**
 - Integrated **Java and OOP's** to enhance **usability**
 - Evaluated **data integrity** leading to **user engagement by 20%**
 - Collaborated with **gym mates** on **dietary plan**

SKILLS

- Programming Languages**: Java, C, Embedded C, Verilog
- Technologies**: OOP's, YOLO v9, OpenCV, Google Cloud, Low Power Design
- Tools**: Candence, Proteus, Android Studio, AWS

CERTIFICATIONS

- Infosys SpringBoard**, Internet of Things 101, AWS technical Essential Nov 2023
- MAVEN Silicon**, Physical Design in VLSI Backend May 2024

ACHIEVEMENTS

- First Position (30k Rupees)** - IIT Palakkad(AVSAR)
- Second Position (15k Rupees)** - Abhisharga(IIIT Sricity)
- Overall Runners (25k Rupees)** - FKRC, Coimbatore(FKRC)

POSITIONS OF RESPONSIBILITY

- Electrical Head**, Go-Kart/ Turbonites/ LICET Dec 2022 - Jun 2023
- Envision Mentor**, Envision/ LICET Nov 2023 - Dec 2023