

IRENE T

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SUMMARY

Tech enthusiast passionate about AI, ML, and cloud computing. Skilled in designing scalable, user-friendly solutions and integrating modern tools to enhance performance and functionality.

EDUCATION

- **B.E COMPUTER SCIENCE ENGINEERING** - St. Joseph's Institute of Technology (2022-2026) CGPA-8.85
- **HIGHER SECONDARY EDUCATION** - St. John's Public School (2022) GRADE- 81.6%

SKILLS

- **PROGRAMMING LANGUAGES** - C, C++, Python, Java, MySQL
- **TOOLS AND TECHNOLOGIES**- Amazon Web Services (AWS), Qt
- **SOFT SKILLS** - Teamwork, Crowd Addressing, Leadership
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WORK EXPERIENCE

DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION (DRDO) – RESEARCH INTERN JUNE 2025 (ONGOING)
Assisted in developing a GUI-based application using C++ and Qt to process and display real-time sensor data. Gained exposure to defence-grade system design principles, and collaborative development in a research setting.

NOVACIS DIGITAL PVT LTD – WEB DEVELOPMENT INTERN JUNE 2024
Acquired practical experience in web development with a focus on front-end technologies and responsive design. Improved skills in coding, debugging, and collaborating on development projects.

PROJECTS

- **WILDFIRE PREDICTION USING ML ALGORITHMS** - Implemented, analyzed and compared five deep learning models for wildfire image classification; achieved 95% accuracy using DenseNet121 and enhanced model interpretability with Grad-CAM visualization.
- **CYBERNEST – CHILD ONLINE SAFETY APP** - Developed an Android app that detects harmful messages using NLP and alerts parents via a real-time dashboard for child online protection.
- **SERVERLESS EMAIL MARKETING APPLICATION** - Built a serverless email marketing application with AWS EventBridge, Lambda, SES, and S3. EventBridge triggers Lambda to process email templates and data in S3, while SES manages email delivery for scalable, cost-effective marketing.

CERTIFICATIONS AND ACHIEVEMENTS

- NPTEL – Google Cloud Computing
- NPTEL – Introduction to Machine Learning
- NPTEL – Database Management System
- 30 DAYS CLOUD CHALLENGE