



IRINE MILTON

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About Me

Targeting Full-Stack Developer and AI Engineer roles. Proactive Computer Science engineering student with a strong foundation in Full-Stack Development and Artificial Intelligence. Experienced in engineering scalable web applications and AI-driven solutions through multiple internships and award-winning hackathon projects. Passionate about solving complex problems and leveraging emerging technologies to drive measurable, real-world impact.

Skills

- **Languages:** Python, Java, C, JavaScript, HTML, CSS
- **Frameworks & Libraries:** React.js, Spring Boot, Django, Node.js, Express, Flask
- **Databases & Cloud:** MySQL, PostgreSQL, AWS (Fundamentals), Firebase, Cloudinary
- **Tools & Tech:** Git, GitHub, REST APIs, JWT Authentication, DevOps (Vagrant, CI/CD), Docker
- **Soft Skills:** Problem-Solving, Team Collaboration, Analytical Thinking, Innovation Mindset, Time Management

Internship Experience

AI & ML Intern | *AICTE & Edunet Foundation (IBM SkillsBuild)* Jan 2026 – Feb 2026
– Engineered real-world AI solutions using industry-level tools, resulting in the successful deployment of guided projects that enhanced problem-solving capabilities.

Full Stack Development Intern | *Saiket Systems* Feb 2026 – Mar 2026
– Engineered end-to-end full-stack architectures, integrating backend logic with frontend services to deploy scalable, high-performance web solutions.

Software Development Engineer (SDE) Intern | *Bluestock Fintech* Nov 2025 – Jan 2026
– Built a secure Company Registration Module using ReactJS, Node.js, and PostgreSQL, increasing system security via Firebase, JWT, and bcrypt authentication.

Python Development Intern | *Cognifyz Technologies* Dec 2025 – Jan 2026
– Streamlined application workflows by developing data-driven backend logic, optimizing data processing efficiency and reinforcing Python fundamentals.

Front-End Development Intern | *CODEXINTERN* Aug 2025 – Sep 2025
– Designed and deployed dynamic, responsive web interfaces using React.js, significantly improving user experience and cross-platform compatibility.

Key Projects

- **ICU Psychosis Early Detection System:** Built a real-time AI computer vision system to analyze patient behavioral signals via ICU cameras, enabling early preventive clinical intervention. **Tech Stack:** *Python, AI/ML, Computer Vision.*
- **CivicPulse AI (GovTech):** Developed a voice-first application using OpenAI Whisper and LLMs to transcribe multilingual notes and automatically rank grievance urgency, expediting public official response times. **Tech Stack:** *OpenAI Whisper API, LLMs, Python.*
- **Shopzye (E-commerce App):** Engineered a responsive e-commerce platform featuring JWT authentication, wishlist functionality, and an admin dashboard, streamlining inventory tracking. **Tech Stack:** *React.js, Django, MySQL, JWT.*
- **DeCIDE (AI Truth Assistant):** Built an AI-powered verification tool to fact-check text, images, and videos in real-time, combating digital misinformation by providing transparent reasoning. **Tech Stack:** *Generative AI, GPT, BERT, Deepfake Detection.*
- **ECLIPSE (AgriTech AI Platform):** Created a Progressive Web App (PWA) using Flask and Gemini to deliver transformer-based crop guidance to rural farmers, ensuring high availability in low-connectivity areas. **Tech Stack:** *Flask, Gemini API, PWA, Python.*

Education

B.Tech in Computer Science & Engineering | *Christ College of Engineering, Irinjalakuda* 2024 – 2028

High School (Computer Science) | *Nirmala Matha Central School* 2023 – 2024

Notable Achievements

- **Hackathon Winner:** Secured 1st Place (INR 15,000 Prize) at the YODHA National-Level AI Hackathon for engineering the ICU Psychosis Early Detection System.
- **National-Level Hackathons:** Competed in major technical events including **BeachHack**, **Takedown**, Codex 2026 Gen AI, and Gen AI Exchange (Google Cloud).
- **Technical Competitions:** Active participant in Byte Quest AI Coding Challenge, VITALS 24, HackTillDawn, International Hackathon 360° 3.0, and the TinkerHub Make-a-thon.

Certifications

- Machine Learning with Python (IBM - Coursera, Jan 2026), Artificial Intelligence Fundamentals (IBM SkillsBuild, Jan 2026).
- AWS Cloud Technical Essentials (AWS, Dec 2025), DevOps Certificate (Udemy, Nov 2025).
- Problem Solving Through Programming in C (NPTEL - IIT Kharagpur, Oct 2025), Siemens NX CAD Design (Oct 2024).