

Hey **Oracle** Team,

I'm **Thilak S**, a third-year (6th sem) Electronics & Communication Engineering student at **R.V. College of Engineering** and a B.Sc. Data Science undergrad at **IIT Madras**. Between soldering STM32 boards in the lab and hammering out React components at my hostel desk, I've cultivated a passion for blending low-level firmware with cloud-powered applications—and I'm excited about the chance to bring that mash-up of skills to Oracle's intern program.

Why Me?

- **Embedded to Edge:** I built a Raspberry Pi-based object-detection system using TensorFlow, wiring up camera modules, tuning GPIO-driven LEDs, and optimizing model inference on limited hardware. That project taught me the nitty-gritty of performance constraints—and made me dream about edge-deployed AI running on Oracle IoT Cloud.
- **Full-Stack Hustle:** In PriintIt, my self-started web app, I owned everything from Figma wireframes to React UI to Node.js/Supabase backend. I implemented Clerk authentication, wrote SQL policies for secure data access, and deployed on Vercel—so I know how to ship a polished product end-to-end.
- **Collaboration & Leadership:** As lead organizer of our college's hackathon team, I mentored peers on version control, code reviews, and agile sprints. I've also run weekly study groups for DSA in Java and C++, so I'm comfortable explaining tough concepts and bouncing ideas around.
- **Cloud & Curiosity:** I'm fascinated by Oracle Cloud Infrastructure's mix of bare-metal performance and developer-friendly tooling. I've played with their free OCI tier—spinning up VM instances, experimenting with Autonomous Databases, and even tinkering with Functions for serverless workflows. I want to go deeper: building event-driven pipelines, optimizing latency for IoT data ingestion, and leveraging Oracle's AI services to add intelligence at scale.

What I'll Bring

- **A relentless "get-it-done" attitude:** I'm just as happy debugging C interrupts as I am polishing CSS transitions.
- **Quick learning:** From ARM assembly to React hooks, I pick up new tools fast and enjoy digging into documentation until I've hacked a working prototype.
- **Team spirit:** I thrive in collaborative environments, whether it's pair-programming on a Friday night or sharing snacks during a morning stand-up.

Thanks for considering my application. I'd love to chat about how my blend of embedded-firmware chops and cloud-full-stack passion can contribute to Oracle's next wave of innovations.