

YASHVANTH H T

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OBJECTIVE

B.E. Electronics & Communication student (2022–2026) with hands-on experience in Python, C, C++, and embedded systems. Seeking a software engineering internship where I can apply software engineering principles, collaborate with teams, and contribute to reliable, high-quality software.

EDUCATION

P.E.S College of Engineering, Mandya, Karnataka B.E., Electronics and Communication	2022–2026
Brigade Pre University College, Hassan, Karnataka PCMC — 87%	2020–2022
Adarsha Vidyalaya (RMSA), Holenarasipura, Karnataka 10th Standard — 97%	2016–2020

TECHNICAL SKILLS

Languages: Python, C, C++, SQL

Familiar / learning: HTML, CSS, JavaScript, Java (exposure, actively learning)

Tools & Dev Practices: Git, code reviews, unit testing basics, Jupyter Notebook, VS Code, Arduino IDE, MySQL, MS Office, MS Excel and PowerPoint.

Platforms & Embedded: ESP32, STM32, I2C/SPI/UART, sensor interfaces

Security & Algorithms: AES-GCM (hardware crypto on ESP32), PID control, sensor fusion

Soft Skills: Problem-solving, Cross-functional Collaboration, Communication, Analytical Thinking

SELECTED PROJECTS

Human-Controlled Self-Balancing Robot

Implemented PID control and sensor fusion on ESP32 + MPU6050 with Bluetooth/Wi-Fi control. Focused on real-time loop optimization, structured codebase, and iterative testing to improve stability.

Secure Hybrid Cryptography for IoT Edge (AES-GCM on ESP32)

Integrated hardware-accelerated AES-GCM to secure telemetry. Designed key handling patterns and benchmarked encryption latency to validate suitability for edge deployments.

RELEVANT EXPERIENCE & LEADERSHIP

Secretary — ISTE Student Chapter

2025–2026

Coordinated technical events, managed cross-functional student teams, and produced event media (photography/videography). Drove execution, timelines, and stakeholder communication.

Head of Videography — FusionFrame (Startup)

Led a small team to deliver media projects on schedule; improved process efficiency and collaborated with product/marketing stakeholders.

Lead — V for Society

Delivered workshops on AI and digital portfolios; mentored students and created hands-on lab materials.

CERTIFICATIONS & ACHIEVEMENTS

- Introduction to Generative AI — Google Cloud
- Certified Power BI Analyst — Dashboards & Visualization
- 2nd Prize — Ideathon (IoT / firmware prototype)
- Gold Medal — State-level Karate Championship; Gold Medal — Student Olympic