NIHAL GOWDA G Y

Belur, Karnataka | +91 9611973868 | nihalgowda57@gmail.com

linkedin.com/in/nihalgowdagy

github.com/NihalGowdaGY

Objective

Innovative engineering graduate skilled in **Python**, **C**, **C++**, **AWS Cloud Architecture**, and **Quantum Machine Learning**. Skilled in building **cloud-based applications**, integrating **IoT systems**, and leveraging **quantum computing simulations** with **classical ML models**. Seeking **IT/software** roles where I can apply my **programming** and **cloud** knowledge to solve complex real-world problems.

Education

Bachelor of Engineering – Electronics & Communication

Adichunchanagiri Institute of Technology, Karnataka **Dec 2022 – May 2026**

CGPA: 8.70 / 10

Relevant Courses: VLSI Design, Microcontroller Systems , Computer Networks, Cloud Computing, Machine Learning, IoT Applications

Technical Skills

- **Programming Languages: Python, C, C++**
- **Cloud & DevOps: AWS Cloud Architecture**, **EC2**, **S3**, **Lambda**, **IAM**, **Git**, **GitHub**
- **Quantum Computing: Qiskit, GHZ State Simulation, Quantum Circuit Design**
- **Web Technologies: HTML, CSS (basic)**
- **IoT & Embedded: ESP32**, **Arduino**, **Raspberry Pi**, **MQTT**, **HTTP protocols**

Projects

Quantum Simulations Integrated with Classical Machine Learning **Aug 2025 - ongoing**

- Designed and simulated a **4-qubit GHZ state** using **Qiskit** for **quantum computing** research.
- Integrated **quantum simulation outputs** with **classical ML models** for **predictive analytics**.
- Used **Python**, **NumPy**, **Pandas**, and **Scikit-learn** to preprocess data and train classifiers.

Automated Line Follower Vehicle (IoT + Software Integration) **Dec 2024**

- Developed **C++ control logic** for **Arduino Uno** with **real-time IR sensor data processing**.
- Achieved **95% path accuracy** and smooth navigation.

Certifications

- **AWS Cloud Architecting Certification** – **ICT Academy & Infosys Foundation** **July 2025**
- **Industry 3.0 Certification** – **Loginware Technologies**, Hassan **Nov 2024**

Leadership & Activities

Treasurer – IEEE Student Branch **Jan 2024-Present**

- Managed budgets and logistics for technical events and workshops.
- Represented the branch in **IEEE MTT-S Antenna Workshop** at RVCE, Bengaluru.

Member – IEEE Circuits & Systems Society **July 2025 - Present**