Divya Machkuri *SOFTWARE ENGINEER*

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📍 Bangalore

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Profile

Recent ECE graduate specializing in embedded software development with strong C/C++ programming skills. Hands-on experience in ARM Cortex-M3 programming, system debugging, and hardware-software integration. Seeking Software Engineer role at Qualcomm to contribute to cutting-edge embedded and cloud-edge software solutions.

Education

2021 – 2025 Bidar, Karnataka	**Bachelor of Engineering - Electronics & Communication Engineering** *Lingaraj Appa Engineering College* CGPA: 8.01
2019 – 2021 Bidar, Karnataka	**Pre-University** *Jnana Sudha PU College* 69.84%

Internship & Training

02/2024 – 06/2025 Bangalore	**Embedded Systems Trainee** *Cranes Varsity* • Programmed ARM Cortex-M3 microcontrollers, developing bare-metal drivers for GPIO, UART, I2C • Optimized embedded firmware using Data Structures & Algorithms for improved performance • Debugged multiple embedded systems including LED control and sensor interfaces

Skills

TECHNICAL SKILLS:
Languages: C, C++, Python, Embedded C | Platforms: ARM Cortex-M3, Linux | Tools: GDB, Git, Keil, Make | Protocols: I2C, UART, GSM

SOFT SKILLS
Problem Solving | Technical Documentation | Team Collaboration | Analytical Thinking | Clear Communication

Projects

OTP Ration Distribution System
Multi-threaded embedded app with RFID/GSM integration Software architecture design | System validation and stability testing

Embedded Security System
Thread-based C application with authentication logic System debugging using GDB | Hardware integration for keypad/LCD peripherals

Certificates & Training

Diploma in Embedded systems
ARM Cortex-M3 programming, hardware integration, and system testing