



NARENDHAR REDDY

SOFTWARE ENGINEER

CONTACT

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SKILLS

- C, C++, Python
- OS: Linux, Windows
- Kernel Programming
- Wi-Fi Technologies: 802.11be
- Git
- Teamwork



EDUCATION

- Integrated M.Tech** 2022
Software Engineering *M tech + B tech*
VIT UNIVERSITY
GPA: 8.96 2017
- 12th Standard**
Narayana Junior college
Percentage : 97.3
- 10th Standard** 2015
Sai Krupa High School
GPA: 9.3



PROFILE

Versatile and motivated Linux Device Driver Developer specializing in wireless network drivers and Wi-Fi technologies. Seeking a dynamic role to apply technical proficiency and contribute to the advancement of Linux systems, leveraging a passion for continuous learning and innovation. Eager to contribute technical expertise, innovative problemsolving skills, and a passion for continuous learning to a forward-thinking team in the realm of wireless communication technologies.



WORK EXPERIENCE

QUALCOMM *Chennai*

JULY 2022 - PRESENT

Senior Engineer

- Developed and maintained wireless network drivers for ARM-based SoCs connected to PCI and AHB.
- Contributed to open-source wireless driver (ath)
- Worked on Makefiles in the OpenWrt ecosystem to streamline the build process and ensure efficient driver integration.
- **Wireless Radio Recovery**
 - Developed a robust recovery mechanism to restore wireless radio functionality without rebooting the entire device.
 - Enhanced system reliability and uptime by implementing efficient recovery protocols for wireless radio crashes.
- **Boot Time Optimization**
 - Achieved significant reduction in boot time by implementing parallel execution strategies.
 - Analyzed and optimized critical paths in the boot process to enhance efficiency.
- **Memory Leak Debugging Framework**
 - Designed and implemented a framework to efficiently identify and debug memory leaks in the driver.

NOKIA

2021-2022

Intern

- Automated validation for Ethernet protocols (PPPOE, TCP, UDP, DHCP) using Robot Framework.
- Collaborated on test plans, reducing manual testing.chitecture.