

M N DEEPHAK

deephak13@gmail.com | +91 9342903374 | [deephak-m-n](#) | [deephak13](#)

EDUCATION

St.JOSEPH COLLEGE OF ENGINEERING
Bachelor of Engineering, Electronics And Communication

2021 - Present, CHENNAI
Cumulative GPA : **8.5/10**

WORK EXPERIENCE

TECHPHOSIS (Hybrid)

Haryana, INDIA

Project Intern

May 2024

- Using USRP hardware and open source software, I have practical experience deploying 5G networks. One of the main technical skills I acquired was configuring and installing user equipment, 5G core, and gNodeBs as part of 5G networks utilising open source platforms like srsRAN, OpenAirInterface, and Open 5GS.

ASHOK LEYLAND (On-Site)

Ennore, INDIA

Implant Trainee

June 2024

- I had hands-on experience assembling engines and using mechatronics in the process. I concentrated on how the engine assembly block's mechanical, electrical, and computer systems are integrated. To increase productivity, dependability, and quality assurance, mechatronic technologies were analysed and put into practice.

PROJECTS

Intelligent Path Follower | *Reliable Line Tracking for Efficient Intra-Facility Transport* | Arduino-Uno |

- Developed and integrated control algorithms into the robotic system to optimise navigation performance; enhanced operational consistency by achieving successful path tracking on various distinct routes without manual intervention.

5G Network Implementation | *Ubuntu, Linux, srsRAN, MATLAB, POWDER Wireless* |

- Using Open 5Gs, srsRAN, Ubuntu, and MATLAB, a 5G network was implemented, guaranteeing reliable and effective network operations. Examined and analysed log files for AMF, BSF, and other RAN and Core network services to acquire a thorough understanding of network performance. I worked on the POWDER wireless platform to review and analyse log data.

CERTIFICATIONS

- 5G Technology ([DADB](#))
- Image Processing With MATLAB ([Mathworks](#))
- Cloud Computing ([NPTEL](#))
- C Programming (Prepinsta)
- 5G for Everyone ([Coursera](#))
- Network Fundamentals([Infosys](#))

SKILLS

Programming Languages - C, Python, HTML, MATLAB

Technical Skills - Communication Systems and 5G Technology, Digital Electronics

ACCOMPLISHMENTS & INTERESTS

- Volunteering for OPTICA Student chapel at my college by conducting Technical and Non technical events.
- Won 2nd Prize at College Level Innovative Hardware Hackathon