

SALIL HIREMATH

+91 6358802037 ✧ Jaipur, RJ

salilhiremath2712@gmail.com • [linkedin.com](https://www.linkedin.com/in/salilhiremath) • [GitHub](https://github.com/salilhiremath) • [LeetCode](https://leetcode.com/salilhiremath) • [Portfolio](#)

EDUCATION

B.Tech (Hons) CSE (IoT & IS) , Manipal University Jaipur
GPA: 9.2

Expected 2026

SKILLS

Core CS & Engineering:	Datascience, DSA, OS, OOPs, Computer Networks, DBMS, AI, ML, IoT
Languages:	Python, C, C++, Java, Shell, HTML, SQL, Git, Scala
Embedded Protocols:	CAN, LIN, Ethernet, TCP/IP, UART, SPI, I2C, Modbus
Platform & OS:	Linux, Docker, RTOS, Embedded Linux
Developer Tools:	GitHub, Cisco Packet Tracker, QT, PowerBI,GCP,DataBricks
Frameworks/Libraries:	TensorFlow, Flask, React.js, Socket.io, MySQL, CANopen, PySpark
Domains:	Embedded Systems, IoT Security, HiL/SiL Testing, ECU Development.

EXPERIENCE

Software Intern Irillic (Motherson Health & Medical) :: ISO13485:2016	June 2025 - Present <i>Bengaluru, KA</i>
Project Intern Combat Aircraft System Development and Integration Centre - DRDO	May 2024 - Aug 2024 <i>Bengaluru, KA</i>
Network & Satellite Intern HCL Infosystems	May 2023 - Jul 2023 <i>New Delhi, DL</i>

PROJECTS

ECU Diagnostic Test Automation Framework [Github](#)
Tech Stack: Python, CAN Protocol, UDS (ISO 14229), CANoe, Test Automation, Socket Programming
Developed automated testing framework for ECU diagnostics implementing UDS over CAN bus. Built HiL test benches with real-time monitoring and automated CAN message parsing, reducing testing time by 40%.

ML Implementation for Advanced Flight Radar Receiver [Github](#)
Tech Stack: Python, C++, Machine Learning, Embedded Linux, Signal Processing, Hardware Integration
Implemented ML algorithms for radar signal classification on embedded systems. Optimized deployment for resource-constrained environments and conducted validation testing on flight platforms.

MediCure - Your AI Health Companion [Github](#)
Tech Stack: LLMs, Custom Agent, Python, Flask, Generative AI, Medical FAQ Training, OCR, ResNet

LEADERSHIP

- **Student Placement Coordinator @ Manipal University Jaipur** - Coordinator for DCRP.
- **Managing Director @ Cyber Space Club** - Managing team of 60+ students and 500+ members.

RESEARCH PAPERS / PATENTS

- **Blockchain-based Optimization Algorithm for Secure IoT Communication Using AMQP** - Improved latency, throughput and security through lightweight encryption and ML anomaly detection. [Link](#)
- **An AI-Powered Market Simulation for Product-Centric Businesses** - Analytics framework using SHAP-enhanced deep learning for demand prediction. [Link](#)

CERTIFICATIONS / LICENSES

[Certificates & Achievements](#)