Saju Khakurel

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⚪ sajukhakurel074

🎓 EDUCATION

2017/11 – 2021/04	**Bachelor's Degree in Electronics and Communication Engineering** *Tribhuvan University, Institute of Engineering, Pulchowk Campus*	Pulchowk, Lalitpur, Nepal
2015/06 – 2017/04	**Intermediate of Science** *Kathmandu Bernhardt College*	Balkhu, Kathmandu

💼 PROFESSIONAL EXPERIENCE

2021/04 – present	**Embedded System Engineer (Vehicle Software)** *Yatri Design Studio* - Development of full functioning Over The Air software project	Kathmandu, Nepal
2021/12 – 2021/03	**Intern** *Yatri Design Studio* - Research oriented intern in OTA programming using C/C++ language	Kathmandu, Nepal
2021/01 – 2022/01	**Social Media Manager and Content Creator** *IEEE-Pulchwok Student branch*	Pulchowk, Lalitpur, Nepal
2020/11 – 2021/11	**Avionics system designer, Team Member** *NEAR Aerospace* - Design and manufacture data acquisition modules - Research on control and proper landings	Kupondole, Lalitpur, Nepal
2020/02 – 2020/12	**Newsletter Editor** *IEEE-Pulchowk Student branch*	Pulchowk, Lalitpur, Nepal
2018/11 – 2020/02	**Hardware Designer and Embedded System Programmer** *Robotics Club, Pulchowk Campus* - Design, fabrication, and testing of electronics hardware of robots for ABU ROBOCON 2019 and 2020 - Hardware designing and Embedded programming	Pulchowk, Lalitpur, Nepal

📁 PROJECTS

2020/05 – present	**Automatic Modulation Classifier using DL** *Final Year Project, Pulchowk Campus* - Mainly aiming to create a intelligent system to for the classification of incoming noisy signals using the trained DL models - Successfully generated data sets and classified them using the likelihood method for the mid evaluation	
2020/07 – 2021/06	**Disinfectant Robot** ⧉ *Funded by Nepal Academy of Science and Technology (NAST)* - As a part of Covid-19 related biomedical research project by NAST - Two Mobile Robots for spraying disinfectant in hospitals and quarantine areas	

2020/11 – 2021/02	**SLAM**
	- Implementation of SLAM algorithm in turtlebot3 packages provided by ROS and aided by simulating as well as visualizing tools
2020/01 – 2020/02	**Rockbye Baby**
	AI powered Smart Cot
	- Winner of LOCUS Project Competition - SDG 3 category, LOCUS 2020

🧠 SKILLS

C/C++ Python KICAD PCB Designing Robotics ROS Embedded Systems

📚 COURSES

2021/12 – 2021/12	**3rd Nepal Winter School in AI, 2021** ⬀	Bhaktapur, Nepal
	NepAl Applied Mathematics and Informatics Institute for Research	
2020/09 – 2021/12	**Breaking Out Of Cocoon** ⬀	
	Girls in Tech, SHEQUAL Foundation and United States Embassy	
2021/10 – 2021/12	**AWS Academy Cloud Foundations [5459]** ⬀	
2021/08 – present	**Deep Learning Specialization** ⬀	
2021/06 – 2021/07	**Machine Learning by Stanford University** ⬀	

🎸 INTERESTS

Artificial Intelligence Sports (Basketball, Badminton) Free writing Frontend Design