



ROHIT PAUDEL

December 4th, 1997. Nepalese
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rizzeol



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Programming

Advanced

• C++ • Python

Intermediate

• C • Matlab • HTML • MySQL

Basic

• PHP • Javascript • Solidity

Languages

• English - **Fluent** • Nepali - **Native**
• German - **Basic (A2)**

Concepts

- Algorithms & Data Structures
- Operating Systems
- Machine Learning
- Robotics
- Computer Graphics
- Computer Vision
- OOP Principles

Tools

- Git
- Vim
- \LaTeX
- Matlab
- Mininet
- AWS
- Wordpress

Education

2017 - 2020 **BSc. Computer Science**
Minor in Intelligent Mobile Systems

Jacobs University, Germany

Experience

July 2018 - Jan 2019 **Working Student Developer**

Jacobs University

- Developed desktop apps for conducting psychology experiments using PsychToolBox on Matlab

Jul 2016 - Aug 2017 **Co-founder, Trainer**

TechGenX Robotics, Kathmandu, Nepal

- Tutored children about Robotics and Computer Programming, organized Robotics workshops, Science Exhibitions and built robotic and electronic prototype projects

Research & Projects

Nov 2018 **Love the Chain - Realestate Marketplace in Blockchain**

Malta Blockchain Hackathon, Malta

- worked on Ethereum based decentralized app (dapp) marketplace using node.js, express.js, solidity and so on within a team of 6 engineers and developers.

July 2018 **Fairhousing - Blockchain system to track rental agreements**

Blockchain Pioneers Hackathon, Berlin

- Implemented frontend for a blockchain based system and combined with the backend system code

Oct 2017 - Mar 2018 **Control System & Automation**

Intelligent Mobile System Lab

- Worked with Arduino and Processing to visualize 3D object movement with PID controller and Design Control System for Motor using Arduino and Matlab

Dec 2014 - Jan 2015 **Autonomous Robot**

Goldengate Robotics Club

- Researched and build a Robot with an arm controllable with Smartphone (built a working prototype based on Arduino Platform)

Prizes & Awards

Oct 2018 **Winner of Airbus Challenge**

Hackathon Bremen 2018

- Worked in a team of 5 engineers to prototype a system to maintain Tetris Aircraft Assembly smart Inventory for production.

Jun 2018 **Winner of OSRAM Challenge**

TechFest Munich Hackathon, TUM

- Created a IoT smart Building system using Raspberry Pi, HPD2 Optical Sensor (by Steinel), Google Assistant, OSRAM Lightelligence platform

July 2017 **Merit Based Scholarship at Jacobs University Bremen**

feb 2016 **3rd Prize in 6th Southwestern Science Exhibition 2016**

Southwestern College, Kathmandu, Nepal

feb 2016 **Award of Participation & most creative team in 21st SET Exhibition**

St.Xavier's College, Kathmandu, Nepal