



ROHIT PAUDEL

December 4th, 1997. Nepalese
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Programming

Advanced

• C++ • PHP • Python

Intermediate

• C • Matlab • HTML • MySQL

Basic

• Javascript • Solidity

Languages

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

Concepts

- Algorithms & Data Structures
- Operating Systems & Networks
- Machine Learning
- Computer Vision
- Robotics, Computer Graphics
- Web Services & REST APIs
- OOP Principles

Tools

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

Education

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

Jacobs University, Germany

Experience

- Feb 2019 - Present **Working Student Developer** Digital Guest Solution, Oldenburg, Germany
- Worked on PHP Laravel Backend API System and React Frontend Systems
- Aug 2019 - Nov 2019 **Software Engineer Intern** Digital Guest Solution, Oldenburg, Germany
- Worked on Laravel Backend REST API System and ReactJS Frontend System
- July 2018 - Jan 2019 **Working Student Developer** Jacobs University
- Developed desktop apps for conducting psychology experiments using PsychToolBox on Matlab

Research & Projects

- Feb 2020 **Bachelor's Thesis: Data Analysis and Visualization techniques (EDEN ISS)** Institute of Space Systems, German Aerospace Center, Bremen
- Present
- Analysing real time Controlled Environment Agriculture (CEA) data points from EDEN-ISS station in Antarctica
- Nov 2018 **Love the Chain - Real Estate Marketplace in Blockchain** Malta Blockchain Hackathon, Malta
- worked on Ethereum based decentralized app (dapp) marketplace using node.js, express.js, solidity in team of six.
- 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

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 voice controlled smart Building system.
 - developed System to interact with voice to execute realtime actions
- 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