

Raghav Singla

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EXPERIENCE

Business Analyst, Udaan.com

Jan 2022 - Jul 2022

Improvised retention analysing workflow.

Applied various statistical techniques like A-B testing , Bayesian statistics etc

PROJECTS

Micro-ElectroMechanical Systems (MEMS) based piezoresistive pressure sensor

Supervisor: **Dr Shweta Meena**

Software used: COMSOL Multiphysics

Programmable Photonic Integrated Circuits

Supervisor: **Dr Gaurav Saini, Dr Than Singh Saini**

Software used: OptiSystem (OptiWave)

NASA Space App Challenge 2022

Analysed the seismic waves on moon data of order of **terabytes** collected by **NASA's Apollo missions**.

Classified various moonquakes .

Reference:<https://soma-chasers.github.io/>

Bolt meets Quantum

Simulated **Superdense Coding** quantum protocol on BOLT IOT wi-fi module.

git repo :https://github.com/Raghav-Bell/Software/blob/main/BOLT_IOT/README13.md

EDUCATION

Bachelor of Technology, Electronics and Communication Engineering

Jul 2019 - Jun 2023

National Institute of Technology Kurukshetra, Kurukshetra

GPA: 7.9379/10

SKILLS

Programming: Python3, Bash, SQL, C, Verilog

Software: Jupyter notebooks, Iverilog, Git, Nano, Vim

Hardware: Arduino UNO, BOLT IOT wi-fi Module

Technological Domains: Quantum Computing, Machine Learning, Internet of Things, Penetration Testing, Integrated Photonics

COURSEWORK

- Random Variables and Stochastic Processes
- Digital Design
- Information Theory and Coding
- Microprocessor & Microcontroller
- Microwave Theory and Devices
- Digital Image Processing
- Nanoscience and Technology
- Wireless and Mobile Communication

AWARDS

Semi-Finalist at Hyundai Social Creator -2021 (HSC-2021)

2022 National Our Idea was one of the **top 25 ideas** among the 530 ideas submitted nationwide.

EXTRACURRICULARS

MIT iQuHACK 2022

Jan 2022 - Jan 2022

iQuHACK 2022 is a quantum computing hackathon organised by [MIT iQuISE](#) . I am one of the 400 people from 57 countries gathered virtually to design and build quantum computing projects from scratch

Introduction to Quantum Computing Course (Qubit by Qubit)

Oct 2020 - May 2021

IBM in collaboration with [The Coding School](#) provided free Quantum Computing course to 5000 students all over world which was taught live by MIT and Oxford quantum scientists.