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Raghav

https://raghav-bell.github.io

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Nationality: Indian
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EDUCATION

- **National Institute of Technology(NIT)** — Kurukshetra, India
  Bachelor of Technology (B.Tech), ECE — *Jul, 2019 - Jun, 2023*

EXPERIENCE

- **Application Developer, IBM** — *Nov, 2023 - Current*
  Safexpress Project.
  Created Apex triggers, Flows, Batches etc as per business requirements.

- **Business Analyst, Udaan.com** — *Jan, 2022 - Jul, 2022*
  Improvished retention analysing workflow.
  Applied various statistical techniques like A-B testing, Bayesian statistics.

PROJECTS

- **graby crate**
  A simple implementation of grep in rust and published on crates.io

- **Micro-ElectroMechanical Systems (MEMS) based piezoresistive pressure sensor**
  A silicon diaphragm based piezoresistive pressure sensor.

- **Programmable Photonic Integrated Circuits**
  Designed 8×8 MZI based triangular multiport interferometer.

- **NASA Space App Challenge 2022**
  Analysed the seismic waves on moon data collected during NASA's Apollo missions to classify various moonquakes.

- **Bolt meets Quantum**
  Simulated Superdense Coding quantum protocol on Bolt Internet Of Things wi-fi module.

AWARDS

- **Semi-Finalist at Hyundai Social Creator-2021** — *Mar, 2022*
  One of the top 25 ideas among the 530 ideas submitted nationwide.

CERTIFICATIONS

- **watsonx.data Technical Sales Intermediate** — *Mar, 2024*
  Issued by IBM

- **Salesforce Certified AI Associate** — *Jan, 2024*
  Issued by Salesforce

- **Practical Introduction to Quantum-Safe Cryptography** — *Dec, 2023*
  Issued by IBM

- **Explorations into Mindfulness** *Sep, 2023*
  Issued by IBM Skills Build

- **Qiskit Global Summer School 2023 - Quantum Excellence** *Sep, 2023*
  Issued by IBM

- **Take your first steps with Rust** *Aug, 2023*
  Issued by Microsoft

- **Deep Learning with Tensorflow** *Jun, 2023*
  Issued by IBM Skills Build

- **IBM Garage Essential** *Jun, 2023*
  Issued by IBM Skills Build

- **Options Trading Strategies In Python: Basic** *Jun, 2023*
  Issued by QuantInsti & NSE Academy

- **Penetration Testing and Ethical Hacking** *Mar, 2023*
  Issued by Cybrary

- **Cybersecurity Fundamentals Badge** *Mar, 2023*
  Issued by IBM Skills Build

- **Galactic Problem Solver** *Oct, 2022*
  Issued by NASA Space APP Challenge

- **Qiskit Global Summer School 2022 - Quantum Excellence badge** *Aug, 2022*
  Issued by IBM

- **Google IT Automation with Python** *Jul, 2022*
  Issued by Coursera & Google

- **VLSI SoC Design using Verilog HDL** *Jun, 2022*
  Issued by Maven Silicon

- **Introduction to Fusion Energy and Plasma Physics** *Jun, 2022*
  Issued by Princeton Plasma Physics Laboratory Science Education Dept.

- **Google Data Analytics** *Jun, 2022*
  Issued by Coursera & Google

- **Internet of Things and Machine Learning** *May, 2022*
  Issued by Bolt Iot

- **Goldman Sachs Engineering Virtual Program** *Jul, 2021*
  Issued by Goldman Sachs

- **Introduction to Quantum Computing Course** *Oct, 2020 - May, 2021*
  Issued by The Coding School (Qubit by Qubit) & IBM

- **Geospatial applications for disaster risk management** *Oct, 2020*
  Issued by ISRO, CSSTEAP & UN-SPIDER

- **Python for Data Science badge** *Aug, 2020*
  Issued by IBM P-TECH (now, IBM Skills Build)

- **Data Science Foundations - Level 1 badge** *Jul, 2020*
  Issued by IBM P-TECH (now, IBM Skills Build)

HACKATHONS

- **Symposium on Quantum Undergraduate Inquiry & Discovery (SQUID)** *Jun, 2023*
  Organised by group of students at Stanford University & Yale university.

- **Massachusetts Institute of Technology iQuHACK** *Jan, 2022*
  Organised by iQuISE, Massachusetts Institute of Technology.

- **Quantum Coalition Hackathon** *Apr, 2021*
  Organised by group of students at Stanford University & Yale university.

PRESENTATIONS

- **Quantum Computing Seminar** *Feb, 2023*
  Organised at NIT, Kurukshetra with Guncha Malik & Ankur Raina

- **Bolt IOT meets Quantum** *Jun, 2022*
  Organised on [YouTube](#) with Bolt

KEY SKILLS

- **Programming:** Python3, Bash, SQL, C, Verilog, Rust, Qiskit, LaTeX, Apex, HTML, CSS, JS

- **Software:** Jupyter notebooks, Iverilog, Git, Nano, Vim, Salesforce

- **Hardware:** Arduino UNO,Bolt IOT wi-fi Module

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

REFERENCES

- **Gourav Saini, gauravsaini@nitkkr.ac.in**
  Assistant Professor, Dept. of ECE, NIT Kurukshetra

- **Than Singh Saini, tss@nitkkr.ac.in**
  Assistant Professor, Dept. of Physics, NIT Kurukshetra

- **Yashashchandra Dwivedi, yashjidwivedi@nitkkr.ac.in**
  Assistant Professor, Dept. of Physics, NIT Kurukshetra