

September 7, 2025

Raghav

209/2 Ward no.6, Vikas Nagar Gohana,
Haryana, India 131301

Nationality: Indian

github : <https://github.com/Raghav-Bell/>

<https://raghav-bell.github.io>

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*
Projects: Safexpress, Kent RO, Pine Labs
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

- **Qiskit Global Summer School 2025 - Quantum Excellence** *Aug, 2025*
Issued by IBM
- **2025 IBMer watsonx Challenge** *Aug, 2025*
Issued by IBM
- **IBM Technical Specialist - Core Specialty - Foundational** *Jun, 2025*
Issued by IBM

<ul style="list-style-type: none"> • Basics of Quantum Information <i>Issued by IBM</i> 	Mar, 2025
<ul style="list-style-type: none"> • LFS101: Introduction to Linux <i>Issued by The Linux Foundation</i> 	Mar, 2025
<ul style="list-style-type: none"> • LFS116: PyTorch and Deep Learning for Decision Makers <i>Issued by The Linux Foundation</i> 	Feb, 2025
<ul style="list-style-type: none"> • LFQ101: Fundamentals of Quantum Computing <i>Issued by The Linux Foundation</i> 	Feb, 2025
<ul style="list-style-type: none"> • IBM Quantum-Safe Conversations <i>Issued by IBM</i> 	Feb, 2025
<ul style="list-style-type: none"> • IBM Quantum Conversations <i>Issued by IBM</i> 	Feb, 2025
<ul style="list-style-type: none"> • Salesforce Certified Platform Developer 1 <i>Issued by Salesforce</i> 	Dec, 2024
<ul style="list-style-type: none"> • Quantum Business Foundations <i>Issued by IBM</i> 	Nov, 2024
<ul style="list-style-type: none"> • Salesforce Certified Administrator (SCA) <i>Issued by Salesforce</i> 	Nov, 2024
<ul style="list-style-type: none"> • NASA Open Science <i>Issued by NASA - National Aeronautics and Space Administration</i> 	Sep, 2024
<ul style="list-style-type: none"> • DIaaS - Aspiring Inventor <i>Issued by IBM</i> 	Aug, 2024
<ul style="list-style-type: none"> • Salesforce Associate Certification <i>Issued by Salesforce</i> 	Aug, 2024
<ul style="list-style-type: none"> • Enterprise Design Thinking Practitioner <i>Issued by IBM</i> 	Jul, 2024
<ul style="list-style-type: none"> • Explore Emerging Tech <i>Issued by IBM Skills Build</i> 	Jul, 2024
<ul style="list-style-type: none"> • IBM Agile Explorer <i>Issued by IBM</i> 	Jul, 2024
<ul style="list-style-type: none"> • IBM Consulting Way Habits - Foundational <i>Issued by IBM</i> 	Apr, 2024
<ul style="list-style-type: none"> • watsonx.data Technical Sales Intermediate <i>Issued by IBM</i> 	Mar, 2024
<ul style="list-style-type: none"> • Salesforce Certified AI Associate <i>Issued by Salesforce</i> 	Jan, 2024
<ul style="list-style-type: none"> • Practical Introduction to Quantum-Safe Cryptography <i>Issued by IBM</i> 	Dec, 2023
<ul style="list-style-type: none"> • Explorations into Mindfulness <i>Issued by IBM Skills Build</i> 	Sep, 2023
<ul style="list-style-type: none"> • Qiskit Global Summer School 2023 - Quantum Excellence <i>Issued by IBM</i> 	Sep, 2023
<ul style="list-style-type: none"> • Take your first steps with Rust <i>Issued by Microsoft</i> 	Aug, 2023

- **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

- **Hactoberfest, 2023** *Oct, 2023*
Organised by DigitalOcean
- **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.

- **Explore Machine Learning** Nov, 2019
Organised by Google AI.
- **Autokriti 11** Sep, 2019
Organised by Society of Automotive Engineers, India.

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

VOLUNTEERING

- **Qiskit Advocate** Aug, 2025
IBM
The Qiskit Advocate Program is a community initiative that empowers individuals to promote quantum computing education, research, and innovation.

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