

# Rohit Govindan

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## PROFILE

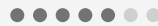
Ambitious research graduate with masters in nanotechnology seeking research and development opportunities in industries and major laboratories.. Motivated achiever and effective team player with meticulous attention to detail. Experience in fabrication, research, and characterization of materials, with a willingness to learn and grow.

## SKILLS

### Project Management



### Wet chemical laboratory



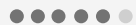
### Research and analysis



### Documentation



### Scientific research and Presentation



### Additional courses

Studied and obtained from reputed institutions

- Microelectronics and VLSI
- Water society and sustainability
- Energy conservation and waste heat recovery,
- Elements of solar energy conservation
- Biomedical nanotechnology,
- Advanced thermodynamics and combustion
- Photography in real world

## EXTRA CURRICULAR

- Been part of various cultural and academic competitions in school and university.
- Been part of ICON, CSIR, Inter academia Asia and similar research based events.
- Was one of the core members of the student union that conducted national level cultural and sport based events
- Was also involved in Peta, international flight and safety coordination and various photography related workshops and minor projects.

## EDUCATION HISTORY

### Masters in Nanoscience and Nanotechnology

University of Glasgow

Jan 2021 -Jan 2022

- Foundational courses being Micro and nanotechnology, electronic devices, research nanotechnology, nanofabrication, electronic circuits, microscopy and optics, and research skills
- Understanding the deeper applications and further research prospects towards nanotechnology and material science

### Bachelors in Nanotechnology

Jun 2016- May 2020

### SRM institute of science and technology

- Learning the basics of nanotechnology and having a brief introduction to the possible prospects of its role in field of science and technology.
- Having hands on experience on different equipment and learning to work on research based projects.
- Studying different aspects of science where nanotechnology can be applied. Electronics, Biology, environmental, quantum technologies, mechanical and many more.
- Studying and understanding the different segments of nanotechnology and its possible employment in other areas of science and technology

## PROJECTS AND EXPIRIENCES

### SRM INSITUTE OF SCIENCE AND TECHNOLOGY

#### *Thermoelectric materials in energy generation applications*

Feb 2018- May 2020

- Determining the possible applications of thermoelectric materials in energy generation applications infused or working with nanomaterials.
- Working on possible solution towards global energy crisis.

#### *Enzymeless detection of dopamine using electrochemical sensor*

Nov 2019

- Using nanotechnology in an electrochemical sensor to produce optimum results for detection of dopamine and various other body fluids.

### University of Glasgow

#### *Low noise laser driver*

Apr 2021 - Aug 2021

- Determining a more efficient laser to use in the electronics based applications
- Understanding different sources, techniques, pros and cons of each to determine the final outcome

#### *Nanofabrication*

- Fabrication of NiCr on a silicon substrate and analysis using microscopes.

### Center for bio and nanoscience research

Dec 2017

#### *Antimicrobial and anticancer study of silver based nanomaterials*

- Biological synthesis, study and impact of silver nanoparticles on cancer and microbes have been studied to determine a possible cure of diseases.
- Growing all the required fungi, bacteria in the laboratory under controlled conditions along with the nanomaterials..
- Fungal, bacterial and virus have been grown insitu to see the impact with Nano silver.

### Other

- Have 3+ years of laboratory experience throughout my undergraduate and masters studies and also have worked with most of the microscopes including optical, SEM, AFM, TEM.
- Hands on experience using UV visible spectroscopy, XRD,
- Also have significant knowledge of hands on working of most lithography and deposition techniques used for nanofabrication
- Apart from the major projects I have also been part of small projects including thermal and hydrophobic coating for cars, ships and clothes.